XP Power

Power Supply **Guide**

2018/2019

Knowledge | Flexibility | Customer Focus | Speed | Integrity

XP Power is a leading provider of power solutions. We offer total quality, from in-house design in Asia, Europe and North America through to manufacturing facilities and dedicated support through our 32 sales offices around the world.

Our people lie at the heart of our success. Our lean, flat, fast and flexible structure allows us to offer the widest range of power products available from one source. We provide unrivalled technical and customer support, aiding both vendor consolidation and cost reduction programmes.

- **Broadest product portfolio to meet all your critical power requirements**
- **Best in class manufacturing ensuring excellent quality, reliability and competitive cost**
- **Largest direct technical sales team dedicated to power**
- **Best in class customer service and technical support located close to our customers**
- **Engineering on three continents providing excellent design support throughout the process to reduce time to market**
- **XP Power reduces the production and running costs of your equipment enabling you to gain a competitive advantage**

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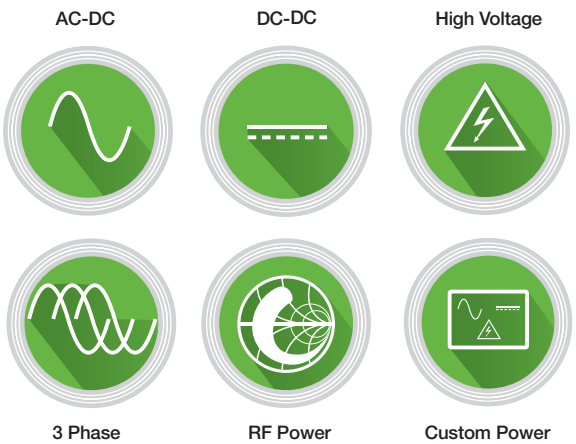
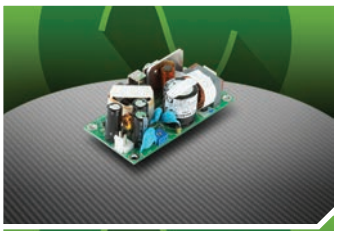
Our Product XPertise



Featured Products

ECF40
Page 19

- 40 Watt AC-DC
- Ultra-compact 3.0 x 1.5”
- ITE & medical approvals

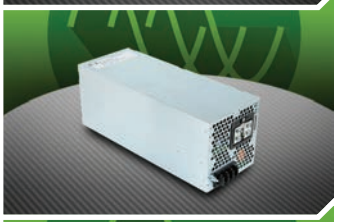


GCU500
Page 29

- 500 Watt AC-DC
- Compact 6.5 x 3.3” footprint
- High convection rating

HPT5K0
Page 35

- 5000 Watt AC-DC
- 3 phase programmable
- Digital interfaces



nanofleX
Page 36

- 1200 Watt AC-DC
- 1U configurable PSU
- PMBus Interface

DSR
Page 39

- 75 - 240 Watt AC-DC
- Ultra-slim DIN rail
- 150% peak load

ALM
Page 43/44

- 65 - 120 Watt AC-DC
- Energy efficiency level VI
- ITE & medical approvals

QSC
Page 74

- 150 Watt DC-DC
- 4:1 input range
- Quarter brick package

HRL30
Page 88

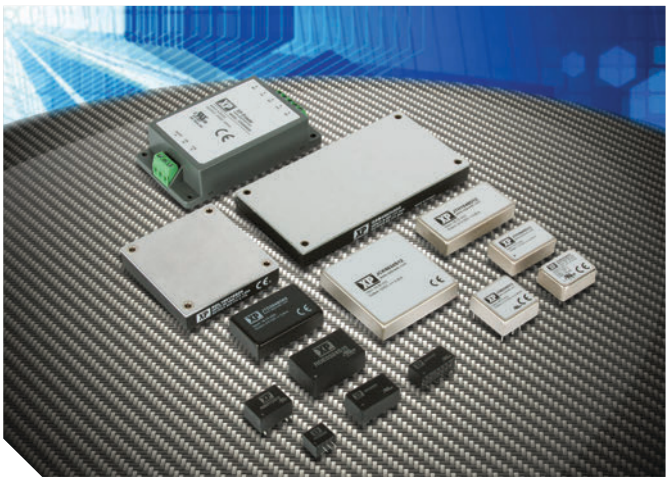
- 30 Watt DC-DC
- Regulated high voltage
- Up to 6000 VDC output

Product Focus

AC-DC Power Supplies

XP Power offers the world's strongest range of AC-DC power solutions, covering 3W to 5000W in a variety of mechanical formats including open-frame, chassis mount, PCB mount, encapsulated, rack mount, base-plate cooled, plugtop, desktop and DIN rail mounting. Many of our products are classed as smallest in the industry, designed with a focus on low noise, efficiency and reliability to simplify integration into the end application.

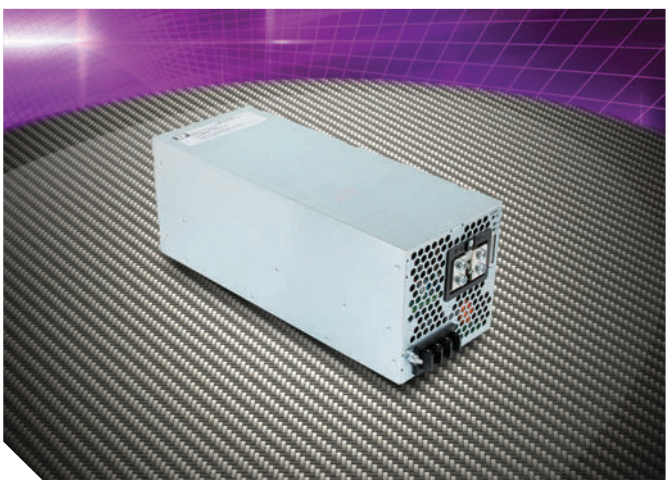
Our AC-DC products are designed for a wide range of end equipment including industrial & process control, semiconductor fabrication equipment, medical devices, test and measurement equipment, scientific instruments, household consumer devices and defense applications.



DC-DC Converters

XP Power offers one of the largest portfolios of converters in the market, the range covers power levels from as low as 0.25W, all the way up to 750W, in various packages including SMD, through-hole, DIN rail, chassis mount and baseplate-cooled. Our DC-DC converters have some of the highest power densities in the market, from miniature low power SMD models up to 750W full brick converters.

Ensuring the extensive range is suitable for as many power requirements as possible, the DC-DC converters have been designed and approved for use in technology, industrial, medical, defense and railway applications.



3 Phase Power

Our 3 phase input power supplies are designed to operate from a wide variety of global 3 phase sources including nominal 208VAC, 380/400/415VAC and 480VAC. The product range includes chassis mount supplies to 5kW, configurable power supplies from 1500W to 3kW, DIN rail mounting supplies rated at 120, 240, 480 & 960W with output voltages from 3.3VDC to 400VDC.

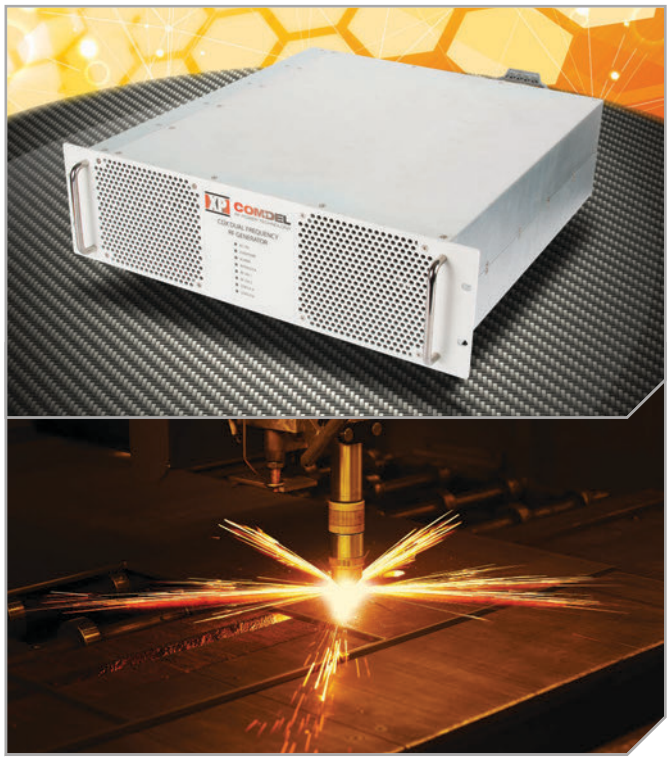
These base products are also used in combination to provide user configured standard solutions or tailored, high power, stand alone and rack mounting 3 phase power solutions with power ratings to 30kW and beyond.

RF Power

With a tradition of durability, reliability and stability we are committed to designing and manufacturing the most reliable, stable and safe RF power systems available with the highest service levels. Our aim is to introduce cost-saving ideas, expand applications and improve engineering innovation in RF power applications. XP Power provides RF generators and matching networks from 20kHz to 100MHz in a wide range of power outputs from 50W to 10kW and beyond, including frequency agile and pulsed applications for a range of semiconductor fabrication, industrial, surface modification and medical device applications.

Our customized RF solutions provide RF power generation and matching solutions, optimized for performance, reliability and cost for plasma and other complex load applications.

- **Semiconductor Etching**
- **Atomic Layer Deposition (ALD)**
- **Ceramic Deposition**
- **Induction Hardening and Tempering**
- **RF Heating and Sealing**
- **Lasers**

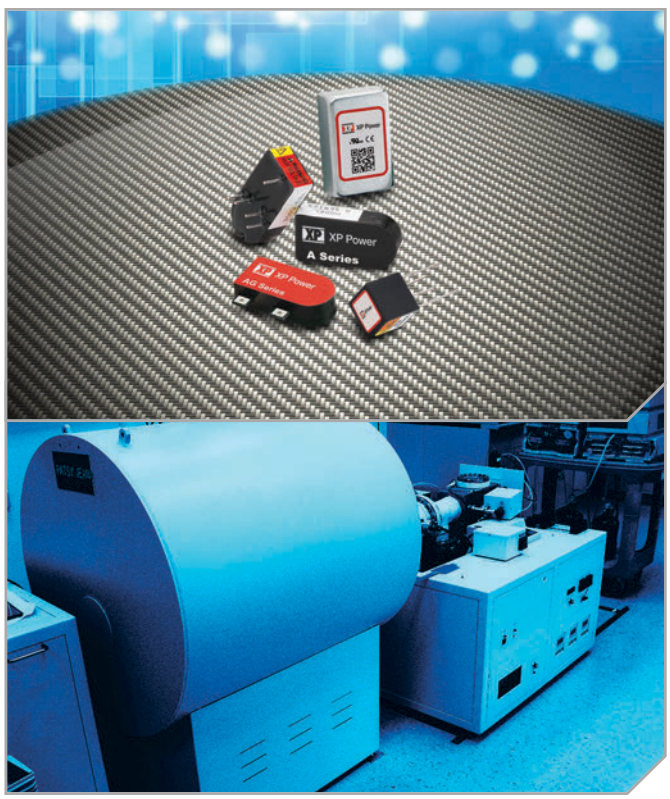


High Voltage

Our high voltage solutions are used in scientific instruments, semiconductor fabrication equipment, medical devices, industrial equipment, security solutions and aerospace & defense applications. Our component, high voltage DC-DC converters change the way equipment manufacturers implement high voltage within their products. We offer a broad range of modules with output voltages from 100V to 10kV in both proportional and regulated topologies for use as stand-alone modules or for integration into application specific assemblies. These standard modules are miniaturized, PCB mounting, encapsulated, low noise assemblies generating a high voltage output that is fully controllable using standard low voltage circuitry.

When taking a distributed power solution approach, simply plug in a miniature high voltage module and locate it where the high voltage supply is needed. Alternatively, these versatile modules are used as building blocks to provide solutions to AC or DC input power requirements in a centralized power solution which can incorporate reversible high voltage outputs, low voltage outputs and digital or analog communications, signals & controls.

- **Mass Spectrometry**
- **Radiation/Threat Detection**
- **Electrostatic Chucks**
- **Semiconductor Inspection**
- **Spectroscopy**
- **Medical Imaging**



Who We Are

Our People

We have significant strength and depth of talent within our organization, with the majority of our senior employees boasting long tenures with XP Power.

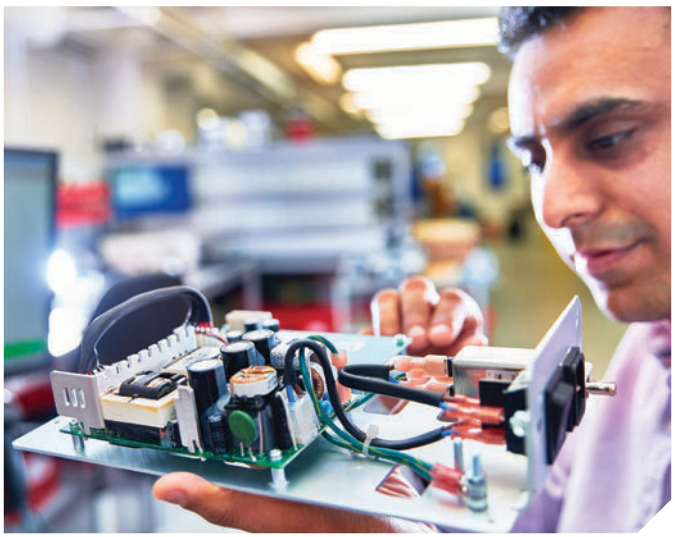
We have a number of training programs built around our core values of integrity, knowledge, flexibility, speed and customer focus. These core values are part of our DNA and have been responsible for driving our performance over the long term to ensure that our customers receive the highest level of service every step of the way from our solution oriented and technically trained staff.

Sustainability

At XP Power we are fully committed to corporate social responsibiity and believe we can make an impact in the world through our products, our people and the way we conduct business. We are a full member of the Responsible Business Alliance (RBA) driving us to promote ethical business practises, as well as a range of other sustainable initiatives. Our people are actively encouraged to get involved in their local communities by being given time off to volunteer in a number of areas. These include cleaning up water passageways and beaches, supporting local food banks and helping out at homeless shelters.

We also believe our power conversion products can play a pivotal role in the world of industrial and healthcare electronics where their high efficiency can save energy and reduce greenhouse gas emissions year after year.

Quality & Manufacturing



Quality

Every customer has their own unique standards and definition of quality. At XP Power we understand the importance of quality and are pro-active in all areas of our business to continually improve quality standards and exceed customer expectations.

XP Power has developed a culture within the organization in which quality is the core foundation and continuous improvement activities are the norm. Quality is an organizational commitment and transparent throughout all levels of the business.

All of XP Power's key facilities have achieved registration with the ISO9001 quality management standard.

Kunshan Production Facility

The first state-of-the-art manufacturing facility XP Power constructed, in Kunshan, near Shanghai, China, opened in June 2009. It uses class leading manufacturing techniques and equipment. This process starts with rigorous supplier selection and incoming component inspection, through to automatic testing of the final product.

Throughout the manufacturing process, XP Power uses the latest equipment to improve throughput and enhance product reliability. This includes the latest automatic pick and place technology, computer controlled wave soldering, automatic optical inspection, in-process testing, full product burn-in and full function automatic testing of the completed product.

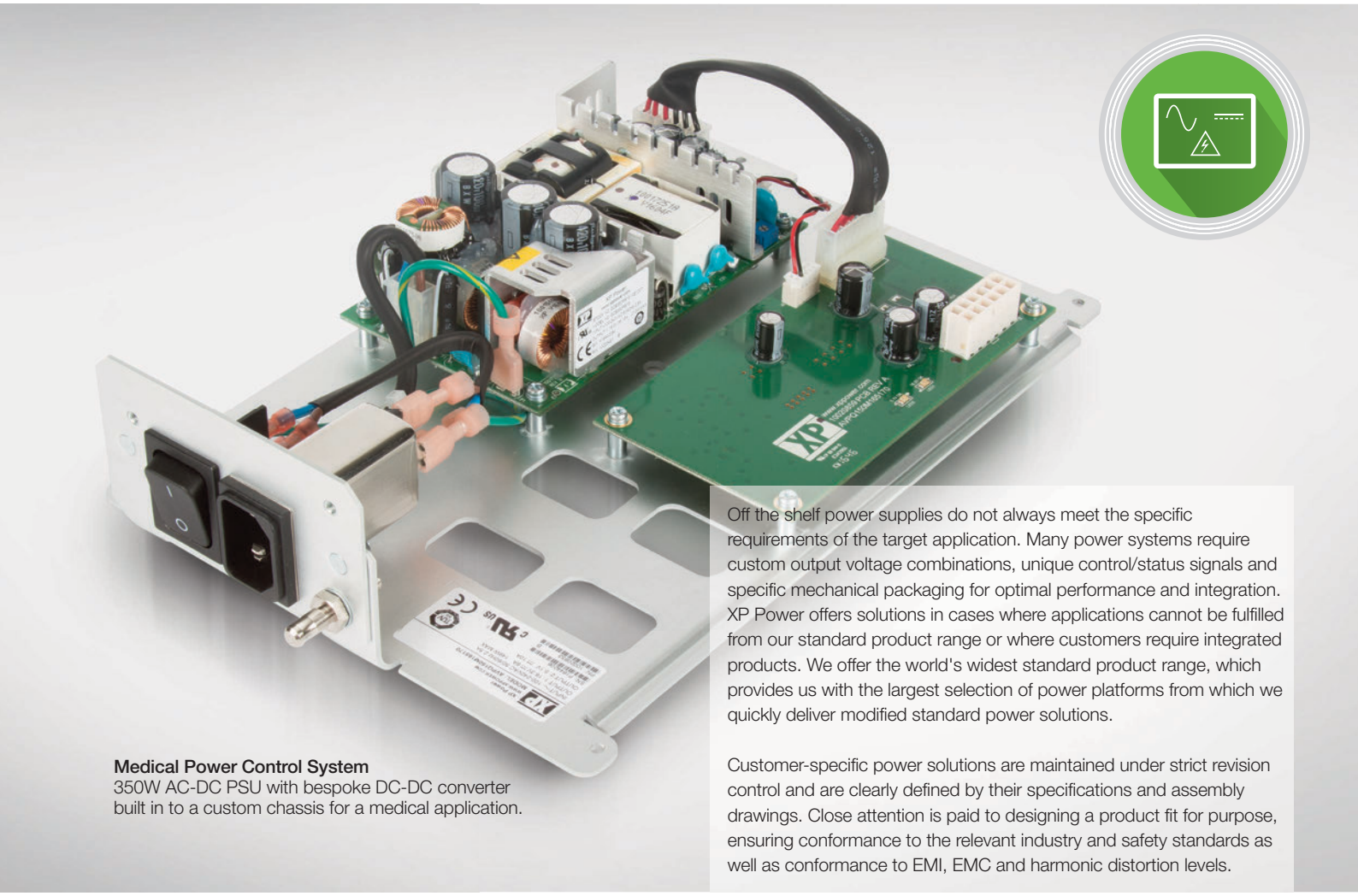
Manufacturing capability is instrumental to customers, who insist on detailed factory audits before awarding contracts. Customer audits of the Kunshan facility have been very successful, with a number of customers commenting that it is the best power converter factory that they have visited.

Vietnam Production Facility

The Vietnamese facility, located in Ho Chi Minh City, started production of magnetic windings for use in our power converters in 2012. The facility demonstrates our attitude to the environment as it is the most environmentally friendly manufacturing facility in our industry and the first industrial building to achieve the Gold Plus rating from the BCA Green Mark Scheme, the leading environmental standard set by the Singapore Building and Construction Authority. This rating covers not only energy efficiency of the building but also water efficiency, environmental protection and indoor environmental quality.

The facility's photovoltaic solar panel array helps provide power, and rainwater is collected for use within "grey water" systems in the building. The photovoltaic solar panel array generated enough electricity to reduce XP Power's carbon emissions by approximately 32 tonnes. Wherever possible water usage is minimized and alternative use of rainwater is maximised. High efficiency air conditioning systems have been deployed and energy saved through an efficient building envelope.

Custom Power Solutions



Medical Power Control System
350W AC-DC PSU with bespoke DC-DC converter built in to a custom chassis for a medical application.

Off the shelf power supplies do not always meet the specific requirements of the target application. Many power systems require custom output voltage combinations, unique control/status signals and specific mechanical packaging for optimal performance and integration. XP Power offers solutions in cases where applications cannot be fulfilled from our standard product range or where customers require integrated products. We offer the world's widest standard product range, which provides us with the largest selection of power platforms from which we quickly deliver modified standard power solutions.

Customer-specific power solutions are maintained under strict revision control and are clearly defined by their specifications and assembly drawings. Close attention is paid to designing a product fit for purpose, ensuring conformance to the relevant industry and safety standards as well as conformance to EMI, EMC and harmonic distortion levels.

from concept to fulfilment

With local engineering design teams in key regions throughout North America, Europe and Asia, XP Power is the ideal source to develop your power solution.

- **Low development cost**
- **Low risk, proven technology**
- **World class design**
- **Short development times**
- **Worldwide local engineering support**
- **Low cost manufacturing in Asia**
- **Local manufacturing for low quantity production runs**
- **ISO 9001 certified quality management system**

Customer Requirements → Proposal & Specification → Customer Design Review → Prototyping → Design Verification → Customer Approval → Agency Approval → Release To Production

XP Power

Mechanical Design

- 3D-model, photo-rendering, animation
- Thermal, stress and mass simulation
- Environmentally sealed units

Printed Circuit Board Design

- Timely electrical assemblies improving customer time-to-market
- Safety specific creepage and clearance
- Design for manufacturability
- PCB modeling & layout

Electrical Design

- Filter design for specific noise and ripple standards
- I²C interface requirements for power supply health and control
- Blind-mate, hot-swap experts
- Embedded micro-processor based design
- Schematic capture / simulation
- Compliance with defense specifications

Software Programming

- In-house software / firmware development
- Serial bus interfaces - I²C & RS232 / 422
- Software / firmware functionality
  - Smart battery interface (SMBus)
  - Battery charging
  - Power supply sequencing
  - Power supply alarm and control

Quality & Test

- 100% parametric DVT testing
- In-system troubleshooting
- System specific testing can also be provided
  - Turnkey EMC certification
  - HALT / HASS integrity testing
  - Burn-in

Safety & Compliance

- Compliance engineering
- Expert knowledge of UL, TUV, CSA, CE & CB schemes
- NEBS & ETSI compliance
- IT, industrial & medical safety standards
- IT, industrial & medical EMC compliance
- MIL STD & DEF STAN EMC compliance

Custom Power Solutions: Applications

Whatever the system power requirements, we offer cost effective, application specific solutions that meet your unique requirements. Being able to utilise our vast selection of power platforms ensures shortened development times and proven product quality. Examples include:

- **Patient Monitor**
  350W AC-DC PSU with bespoke DC-DC
- **Ultrasound**
  700W multiple output PSU with ultra low ripple & noise with USB & SMBus communications
- **Defense Application**
  1000W external PSU compliant to MIL-STD 461F
- **Semiconductor Fabrication**
  5KW multi output PSU. SEMI F47 compliant with EtherCAT control
- **Ion Implementation**
  AC input ±1KV high voltage PSU, analogue and RS232 communications, EN61010-1 approvals
- **Water Ionizer**
  3 phase, AC input 10KW, 200VDC output PSU, with analogue and PMBus voltage and current programming

Mixing Desk PSU
N+1 redundant 800W with dual AC feeds.

AC-DC Selector Guide

3-10 Watts

VCE03
- 3 Watts
- 1.60″ x 0.75″ x 0.75″
- Class II
- PCB Mount
- Low Cost
- **Page 16**

ECE05
- 5 Watts
- 1.00″ x 1.00″ x 0.60″
- Class II
- Encapsulated PCB Mount
- Open Frame
- **Page 17**

VCE05
- 5 Watts
- 1.30″ x 1.10″ x 0.75″
- PCB Mount
- Class II
- Low Cost
- **Page 16**

EME05
- 5 Watts
- 1.50″ x 1.00″ x 0.60″
- Class II
- Encapsulated PCB Mount
- Open Frame
- **Page 16**

ECL05/10
- 5/10 Watts
- 2.00″ x 1.00″ x 0.90″
- Single Output
- PCB & Chassis Mount
- Class II
- **Page 17**

ECE10
- 10 Watts
- 1.50″ x 1.00″ x 0.60″
- Class II
- Encapsulated PCB Mount
- Open Frame
- **Page 17**

VCE10
- 10 Watts
- 2.00″ x 1.15″ x 0.90″
- Class II
- PCB Mount
- Low Cost
- **Page 17**

15-30 Watts

ECL15
- 15 Watts
- 2.44″ x 1.21″x 0.95″
- Single & Multi Outputs
- PCB & Chassis Mount
- Class II
- **Page 18**

EML15
- 15 Watts
- 2.44″ x 1.21″ x 0.95″
- Single Output
- PCB & Chassis Mount
- Class II
- **Page 18**

ECE20
- 20 Watts
- 2.06″ x 1.07″ x 0.91″
- Class II
- PCB Mount
- Encapsulated
- **Page 19**

ECS25
- 25 Watts
- 3.00″ x 2.00″ x 0.95″
- Single Output
- <0.3W Standby Power
- Class I & II
- **Page 20**

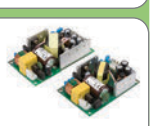
ECL25/30
- 25/30 Watts
- 2.96″ x 1.36″ x 1.05″
- Single & Multi Outputs
- PCB & Chassis Mount
- Class II
- **Page 18**

EML30
- 30 Watts
- 2.96″ x 1.36″ x 1.05″
- Single Output
- PCB & Chassis Mount
- Class II
- **Page 19**

40-50 Watts

ECF40
- 40 Watts
- 3.00″ x 1.50″ x 1.10″
- Single Output
- High Efficiency
- Convection-cooled
- **Page 19**

ECE40
- 40 Watts
- 3.10″ x 1.50″ x 1.10″
- Class II
- PCB & Chassis Mount
- DIN Rail Option
- **Page 19**



ECP40
- 40 Watts
- 3.00/3.50″ x 2.00″ x 0.90″
- Single/Multi Outputs
- Class I
- Low Profile
- **Page 20**

FCS40
- 40 Watts
- 3.00″ x 2.00″ x 1.03″
- Single Output
- <0.15W Standby Power
- Class I & II
- **Page 20**

ECS45
- 45 Watts
- 3.00″ x 2.00″ x 1.05″
- Low Leakage Current
- <0.3W Standby Power
- Class I & II
- **Page 20**

VCS50
- 50 Watts
- 4.35″ x 3.07″ x 1.38″
- Single Output
- Convection-cooled
- Low Cost
- **Page 22**

60-80 Watts

ECS60
- 60 Watts
- 3.00″ x 2.00″ x 1.05″
- Low Leakage Current
- <0.5W Standby Power
- Class I & II
- **Page 20**

ECP60
- 60 Watts
- 4.00″ x 2.00″ x 1.20″
- Single & Multi Outputs
- Low Profile
- Peak Load Capacity
- **Page 20**

ECE60
- 60 Watts
- 3.60″ x 1.50″ x 1.10″
- Class II
- PCB & Chassis Mount
- DIN Rail Option
- **Page 21**

FCS60
- 60 Watts
- 4.00″ x 2.00″ x 1.04″
- Single Output
- <0.15W Standby Power
- Class I & II
- **Page 21**

ECS65
- 65 Watts
- 4.00″ x 2.00″ x 1.05″
- Class I & II
- <0.5W Standby Power
- Low Leakage Current
- **Page 22**

VCS70
- 70 Watts
- 5.12″ x 3.88″ x 1.61″
- Single Output
- Convection-cooled
- Low Cost
- **Page 22**

ECE80
- 80 Watts
- 3.60″ x 1.80″ x 1.10″
- Class II
- PCB & Chassis Mount
- DIN Rail Option
- **Page 21**

100-110 Watts

ECS100
- 100 Watts
- 4.00″ x 2.00″ x 1.25″
- Low Profile
- <0.5W Standby Power
- Class I & II
- **Page 22**

VCS100
- 100 Watts
- 6.26″ x 3.87″ x 1.65″
- Single Output
- Convection-cooled
- Low Cost
- **Page 22**

ASB110
- 110 Watts
- Full Brick Package
- Single Output
- Baseplate-cooled
- Universal Input
- **Page 22**

130-175 Watts

ECP130
- 130 Watts
- 3.00″ x 2.00″ x 1.10″
- 100W Convection-cooled
- Up to 95% Efficiency
- Low Profile
- **Page 23**

ECS130
- 130 Watts
- 4.00″ x 2.00″ x 1.25″
- Class I & II
- High Efficiency
- 100W Convection-cooled
- **Page 23**

EPL150
- 150 Watts
- Medical BF Compliant
- 4.00″ x 2.00″ x 0.99″
- Class I & II
- 100W Convection-cooled
- **Page 23**

ECP150
- 150 Watts
- 4.00″ x 2.00″ x 1.26″
- Single Output
- 100W Convection-cooled
- Up to 92% Efficiency
- **Page 24**

GCS150
- 150 Watts
- 5.00″ x 3.00″ x 1.42″
- High Efficiency
- Class I & II
- 110W Convection-cooled
- **Page 25**

LCL150
- 150 Watts
- 7.55″ x 3.74″ x 1.97″
- Single Output
- Convection-cooled
- Low Cost
- **Page 30**

RCL175
- 175 Watts
- 5.50″ x 3.70″ x 1.28″
- Single & Multi Outputs
- Class I & II
- Mechanical Options
- **Page 24**

= Green Product

= Medical Version Available

180-225 Watts

ECP180
- 180 Watts
- 4.00" x 2.00" x 1.00"
- Single Output
- 120W Convection-cooled
- Up to 95% Efficiency
- **Page 24**

GCS180
- 180 Watts
- 5.00" x 3.00" x 1.42"
- Class I & II
- Remote On/Off Option
- 150W Convection-cooled
- **Page 25**

UCP180
- 180 Watts
- Medical BF Compliant
- 4.24" x 2.47" x 1.16"
- 120W Convection-cooled
- 12V Fan Output
- **Page 25**

CCB200
- 200 Watts
- 5.00" x 3.00" x 1.43"
- Full Power to +70 °C
- Convection-cooled
- Up to 95% Efficiency
- **Page 25**

EPL225
- 225 Watts
- 4.00" x 2.00" x 1.26"
- 150W Convection-cooled
- 12V Fan Output
- Up to 95% Efficiency
- **Page 26**

ECP225-A
- 225 Watts
- 5.00" x 3.00" x 1.00"
- 5V/2A Standby
- 12V Fan Output
- 150W Convection-cooled
- **Page 26**

UCP225
- 225 Watts
- 5.00" x 3.12" x 1.18"
- 5V/2A Standby
- 12V Fan Output
- 150W Convection-cooled
- **Page 26**

250-300 Watts

CHD250
- 250 Watts
- 5.00" x 3.00" x 1.43"
- Medical BF Compliant
- Convection-cooled
- 5V/0.5A Standby (optional)
- **Page 27**

CCM250
- 250 Watts
- 6.00" x 4.00" x 1.50"
- Single Output
- Convection-cooled
- Up to 95% Efficiency
- **Page 27**

CMP250
- 250 Watts
- Medical BF Compliant
- 7.50" x 4.00" x 1.57"
- 250W Convection-cooled
- 5V/1.5A Standby
- **Page 27**

GCS250
- 250 Watts
- 5.00" x 3.00" x 1.42"
- Class I & II
- Remote On/Off Option
- 180W Convection-cooled
- **Page 28**

GCS265
- 265 Watts
- 5.00" x 3.50" x 1.43"
- 180W Convection-cooled
- 5V/3A Standby
- Class I & II
- **Page 28**

LCL300
- 300 Watts
- 8.07" x 4.33" x 1.97"
- Single Output
- Remote On/Off
- Low Cost
- **Page 30**

350-400 Watts

GCS350
- 350 Watts
- 5.00" x 3.00" x 1.42"
- 200W Convection-cooled
- Fan Cover Options
- Remote On/Off
- **Page 28**

SHP350
- 350 Watts
- 7.06" x 3.60" x 2.10"
- Single Output
- Remote On/Off
- 5V/0.5A Standby
- **Page 32**

SMP350
- 350 Watts
- 7.00" x 3.60" x 1.70"
- Single Output
- Low Leakage Current
- High Efficiency
- **Page 28**

FCM400
- 400 Watts
- 6.00" x 4.00" x 1.93"
- Single Output
- Low Noise Fan
- 5V/0.5A Standby
- **Page 29**

CCL400
- 400 Watts
- 7.00" x 3.95" x 1.57"
- Convection-cooled
- 94% Efficiency
- 5V/0.5A Standby
- **Page 29**

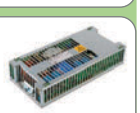
CCH400
- 400 Watts
- 8.43" x 4.02" x 1.69"
- Single Output
- Baseplate-cooled
- Industrial & MIL-STD
- **Page 30**

500-750 Watts

GCU500
- 500 Watts
- 6.50" x 3.30" x 1.55"
- 250W Convection-cooled
- 5V/0.2A Standby
- Class B Emissions
- **Page 29**

GSP500
- 500 Watts
- 6.00" x 4.00" x 1.65"
- <0.5W Standby Power
- Remote On/Off
- 5V/2A Standby
- **Page 30**

LCL500
- 500 Watts
- 9.84" x 5.00" x 2.08"
- Single Output
- Internal Fan
- Low Cost
- **Page 30**



CCH600
- 600 Watts
- 8.43" x 4.02" x 1.69"
- Single Output
- Baseplate-cooled
- Industrial & MIL-STD
- **Page 30**

MHP650/SHP650
- 650 Watts
- 9.18" x 4.00" x 2.50"
- Single Output
- Remote On/Off
- Mechanical Options
- **Page 31/32**

HHP650
- 650 Watts
- 9.99" x 4.20" x 2.50"
- Conformal Coating
- SEMI F47 Compliant
- 6kV Surge Rating
- **Page 31**

GSP750
- 750 Watts
- 10.00" x 4.00" x 1.65"
- Up to 900W Peak Power
- Remote On/Off
- 5V/3A Standby
- **Page 31**

800-5000 Watts

HDS800-3000
- 800 - 3000 Watts
- High Power Density
- Controls and Alarms
- Programmable Voltage
- Programmable Current
- **Page 34**

MHP1000/SHP1000
- 1000 Watts
- 9.55" x 5.90" x 2.40"
- Single Output
- Remote On/Off
- 1200W High Line
- **Page 31/32**

GFR1K5
- 1500 Watts
- 11.80" x 4.00" x 1.70"
- 1U Hot Swap
- I²C Interface
- Current Share & Signals
- **Page 32**

HPU1K5/HPD1K5
- 1500 Watts
- 12.75" x 4.00" x 1.70"
- Low Profile
- Current Share
- Programmable Voltage
- **Page 33**

HDL3000
- 3000 Watts
- 12.48" x 6.69" x 2.50"
- Programmable Voltage
- Programmable Current
- Parallel Operation
- **Page 34**

HPD4K5
- 4500 Watts
- 15.00" x 4.25" x 6.50"
- Programmable Voltage
- Controls & Signals
- SEMI F47 Compliant
- **Page 35**

HPT5K0
- 5000 Watts
- 13.00" x 5.00" x 5.00"
- Programmable Voltage
- Programmable Current
- Parallel Up To 5 Units
- **Page 35**

Configurable

nanofleX
- 850 - 1200 Watts
- Low 1U Profile
- Programmable Voltage
- Programmable Current
- I²C Interface
- **Page 36**

fleXPower X & XM4,5&7
- 400 - 900 Watts
- 10.00" x 5.00" x 2.50"
- 1 - 10 Outputs
- SEMI F47 Compliant
- Fan Control Option
- **Page 37**

fleXPower X & XM9
- 900 - 1100 Watts
- 10.00" x 6.00" x 2.50"
- 1 - 12 Outputs
- SEMI F47 Compliant
- Fan Control Option
- **Page 37**

fleXPower X & XM10
- 1000 - 1200 Watts
- 10.00" x 7.00" x 2.50"
- 1 - 14 Outputs
- SEMI F47 Compliant
- Fan Control Option
- **Page 37**

fleXPower XT16
- 1600 Watts
- 11.00" x 7.00" x 2.50"
- 1 - 14 Outputs
- 3 Phase Input
- Fan Speed Control
- **Page 37**

fleXPower X & XM15
- 1500 - 2500 Watts
- 11.00" x 5.00" x 5.00"
- 1 - 20 Outputs
- SEMI F47 Compliant
- Fan Control Option
- **Page 37**

fleXPower XTL15 & 30
- 1500 & 3000 Watts
- 15: 11.00" x 7.00" x 2.50"
- 30: 12.50" x 5.00" x 5.00"
- 3 Phase Input
- 1 - 7 & 1 - 10 Outputs
- **Page 37**

External/DIN Rail Selector Guide

5-12 Watts

VER05
- 5 Watts
- Energy Efficiency Level VI
- 2.16" x 1.45" x 1.69"
- Changeable Input Plugs
- LPS Approved
- **Page 41**

VEL05
- 5 Watts
- Energy Efficiency Level VI
- 2.17" x 1.40"x 0.95"
- Low Cost
- LPS Approved
- **Page 41**

ACM06
- 6 Watts
- Level VI & CoC Tier 2
- 2.89" x 1.67" x 1.21"
- Optional White Case
- 2 x MOPP
- **Page 40**

VEU10
- 10 Watts
- Level VI & CoC Tier 2
- 1.45" x 0.86" x 2.0"
- Low Cost
- Class II Construction
- **Page 40**

ACM12
- 12 Watts
- Level VI & CoC Tier 2
- 2.99" x 1.19" x 1.91"
- Optional White Case
- 2 x MOPP
- **Page 40**

VEL12
- 12 Watts
- Level VI & CoC Tier 2
- 2.99"x 1.16" x 1.55"
- Low Cost
- LPS Approved
- **Page 41**

VER12
- 12 Watts
- Level VI & CoC Tier 2
- 3.01"x 1.61" x 1.48"
- Changeable Input Plugs
- LPS Approved
- **Page 41**

18 Watts

ACM18
- 18 Watts
- Level VI & CoC Tier 2
- 3.46" x 1.18" x 1.95"
- Optional White Case
- 2 x MOPP
- **Page 40**

VEL18
- 18 Watts
- Level VI & CoC Tier 2
- 3.54" x 1.34" x 1.87"
- Low Cost
- LPS Approved
- **Page 41**

VER18
- 18 Watts
- Level VI & CoC Tier 2
- 3.01"x 1.61" x 1.48"
- Changeable Input Plugs
- LPS Approved
- **Page 41**

VET18
- 18 Watts
- Level VI & CoC Tier 2
- 4.21"x 1.71" x 1.22"
- Low Cost
- LPS Approved
- **Page 42**

= Green Product
= Medical Version Available

24-30 Watts

ACM24
- 24 Watts
- Level VI & CoC Tier 2
- 3.46" x 1.18" x 2.24"
- Optional White Case
- 2 x MOPP
- **Page 40**

VEL24
- 24 Watts
- Level VI & CoC Tier 2
- 3.54" x 1.34" x 1.87"
- Low Cost
- LPS Approved
- **Page 41**

VER24
- 24 Watts
- Level VI & CoC Tier 2
- 3.54" x 1.69" x 1.68"
- Changeable Input Plugs
- LPS Approved
- **Page 41**

VET24
- 24 Watts
- Level VI & CoC Tier 2
- 4.21" x 1.71" x 1.22"
- Low Cost
- LPS Approved
- **Page 42**

VET30
- 30 Watts
- Level VI & CoC Tier 2
- 4.53"x 1.89" x 1.28"
- Low Cost
- LPS Approved
- **Page 42**

36 Watts

ACM36
- 36 Watts
- Level VI & CoC Tier 2
- 3.81" x 1.30" x 2.34"
- Optional White Case
- 2 x MOPP
- **Page 40**

AKM36
- 36 Watts
- Level VI & CoC Tier 2
- 4.25" x 1.97" x 1.33"
- Optional White Case
- 2 x MOPP
- **Page 42**

VEL36
- 36 Watts
- Level VI & CoC Tier 2
- 3.70" x 1.38" x 1.83"
- Low Cost
- LPS Approved
- **Page 41**

VER36
- 36 Watts
- Level VI & CoC Tier 2
- 3.72" x 1.85" x 1.71"
- Low Cost
- LPS Approved
- **Page 41**

VET36
- 36 Watts
- Level VI & CoC Tier 2
- 4.53"x 1.89" x 1.28"
- Low Cost
- LPS Approved
- **Page 42**

40-65 Watts

VEC40
- 40 Watts
- Level VI & CoC Tier 2
- 4.58" x 2.06" x 1.23"
- CCC Qualified
- LPS Approved
- **Page 43**

AKM45
- 45 Watts
- Level VI & CoC Tier 2
- 4.82" x 2.02" x 1.24"
- Optional White Case
- 2 x MOPP
- **Page 42**

VEC50
- 50 Watts
- Level VI & CoC Tier 2
- 4.58" x 2.06" x 1.23"
- CCC Qualified
- LPS Approved
- **Page 43**

AKM65
- 65 Watts
- Level VI & CoC Tier 2
- 4.92" x 2.45" x 1.34"
- Optional White Case
- 2 x MOPP
- **Page 42**

ALM65
- 65 Watts
- Energy Efficiency Level VI
- 4.94" x 2.19" x 1.32"
- Class I & II Versions
- 2 x MOPP
- **Page 43**

VEC65
- 65 Watts
- Level VI & CoC Tier 2
- 4.58" x 2.06" x 1.23"
- CCC Qualified
- LPS Approved
- **Page 43**

85-120 Watts

ALM85
- 85 Watts
- Level VI & CoC Tier 2
- 5.31" x 2.44" x 1.45"
- IP32 Rating
- 2 x MOPP
- **Page 43**

AHM85
- 85 Watts
- Energy Efficiency Level V
- 5.90" x 2.52" x 1.45"
- IP22 Rating
- Class I & II Versions
- **Page 45**

AJM90
- 90 Watts
- Energy Efficiency Level VI
- 5.51" x 2.80" x 0.87"
- Class I & II Versions
- Very Low Profile
- **Page 44**

VES90
- 90 Watts
- Level VI & CoC Tier 2
- 5.47" x 2.28" x 1.22"
- CCC Qualified
- Low Cost
- **Page 44**

AHM100
- 100 Watts
- Energy Efficiency Level V
- 6.49" x 2.52" x 1.45"
- IP22 Rating
- Class I & II Versions
- **Page 45**

VES120
- 120 Watts
- Level VI & CoC Tier 2
- 6.61" x 2.80" x 1.48"
- CCC Qualified
- Low Cost
- **Page 44**

ALM120
- 120 Watts
- Level VI & CoC Tier 2
- 6.61" x 2.80" x 1.48"
- CCC Qualified
- 2 x MOPP
- **Page 44**

Defense Selector Guide

150 Watts

AHM150
- 150 Watts
- Energy Efficiency Level V
- 7.80" x 3.15" x 1.45"
- IP22 Rating
- Class I & II Versions
- **Page 45**

VES150
- 150 Watts
- Level VI & CoC Tier 2
- 6.66" x 2.79" x 1.56"
- CCC Qualified
- Low Cost
- **Page 44**

180 Watts

AHM180
- 180 Watts
- Energy Efficiency Level V
- 7.87" x 3.15" x 1.61"
- IP22 Rating
- Class I & II Versions
- **Page 45**

220 Watts

AHE220
- 220 Watts
- Energy Efficiency Level VI
- 7.76" x 3.46" x 1.73"
- High Power Density
- <0.21 W Standby Power
- **Page 45**

250 Watts

AHM250
- 250 Watts
- Energy Efficiency Level V
- 8.80" x 3.48" x 1.46"
- IP22 Rating
- Low Profile
- **Page 45**

DIN Rail

DNR05-18
- 5 - 18 Watts
- Up to 89% Efficiency
- Full Power to +60 °C
- ANSI/ISA 12.12.01
- Wide Output Range
- **Page 38**

DPC30-70
- 30 - 70 Watts
- Up to 89% Efficiency
- Screw Terminals
- Ultra Slim Design
- Wide Output Range
- **Page 38**

DSR75-240
- 75 - 240 Watts
- Up to 94% Efficiency
- Ultra Slim Design
- 150% Peak Load
- DC OK Signal
- **Page 39**

DNR120-480
- 120 - 480 Watts
- Up to 90% Efficiency
- Full Power to +60 °C
- ANSI/ISA 12.12.01
- Wide Output Range
- **Page 39**

DIN Rail 3 Phase

DNR120TS
- 120 Watts
- Up to 89% Efficiency
- Full Power to +60 °C
- 3 Phase Input
- ANSI/ISA 12.12.01
- **Page 39**

DNR240TS
- 240 Watts
- Up to 91% Efficiency
- Full Power to +60 °C
- 3 Phase Input
- ANSI/ISA 12.12.01
- **Page 39**

DNR480TS
- 480 Watts
- Up to 91% Efficiency
- Full Power to +60 °C
- 3 Phase Input
- ANSI/ISA 12.12.01
- **Page 39**

DNR960TS
- 960 Watts
- Up to 93% Efficiency
- Full Power to +60 °C
- 3 Phase Input
- ANSI/ISA 12.12.01
- **Page 39**

5-35 Watts

MTC05
- 15.5-40 VDC Input
- 1.26" x 0.76" x 0.34"
- Single Output
- MIL-STD-461 with filter
- MIL-STD-1275 with filter
- **Page 78**

MTC15
- 15.5-40 VDC Input
- 1.57" x 1.02" x 0.38"
- Single & Dual Output
- MIL-STD-461 with filter
- MIL-STD-1275 with filter
- **Page 78**

MTC30
- 15.5-40 VDC Input
- 2.28" x 1.81" x 0.50"
- Single & Dual Output
- MIL-STD-461 with filter
- MIL-STD-1275 with filter
- **Page 78**

MTC35
- 10-40 VDC Input
- 2.00" x 1.10" x 0.50"
- Single Output
- MIL-STD-461 with filter
- MIL-STD-1275 with filter
- **Page 78**

50-100 Watts

MTC50
- 10-40 VDC Input
- 2.28" x 1.45" x 0.50"
- Single Output
- MIL-STD-461 with filter
- MIL-STD-1275 with filter
- **Page 78**

MTC75
- 10-40 VDC Input
- 2.40" x 2.28" x 0.50"
- Single & Dual Output
- MIL-STD-461 with filter
- MIL-STD-1275 with filter
- **Page 78**

MTF50
- MIL-STD Filter
- 10-50 VDC Input
- 1.57" x 1.02" x 0.5"
- MIL-STD-461
- MIL-STD-1275
- **Page 76**

MTH100
- Hold Up Module
- 1.27" x 1.02" x 0.50"
- 10-40 VDC Input
- User Programmable
- 98% Efficiency
- **Page 77**

100-226 Watts

DSF100
- MIL-STD Filter
- 1.37" x 1.25" x 0.51"
- DEF-STAN 59-411
- MIL-STD-461
- MIL-STD-1275
- **Page 77**

MTC150
- 10-40 VDC Input
- 2.40" x 2.28" x 0.50"
- Single & Dual Output
- MIL-STD-461 with filter
- MIL-STD-1275 with filter
- **Page 78**

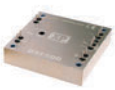
DSF200LV
- MIL-STD Filter
- 2.41" x 1.45" x 0.75"
- DEF-STAN 59-411
- MIL-STD-461
- MIL-STD-1275
- **Page 77**

DSF226
- MIL-STD Filter
- 2.41" x 1.45" x 0.75"
- DEF-STAN 59-411
- MIL-STD-461
- MIL-STD-1275
- **Page 77**

400-600 Watts

MCC400
- 1-4 Configurable O/P's
- 7.28" x 6.49" x 1.08"
- 400 W Regulated O/P's
- MIL-STD-1275
- MIL-STD-461
- **Page 76**

FSO461
- MIL-STD Filter
- 2.28" x 2.28" x 0.75"
- 0-100 VDC Input
- MIL-STD 461
- MIL-STD 810
- **Page 77**



DSF500
- MIL-STD Filter
- 2.28" x 2.28" x 0.75"
- DEF-STAN 59-41
- MIL-STD 461
- MIL-STD 1275
- **Page 77**

MCC600
- 1-4 Configurable O/P's
- 7.28" x 6.49" x 1.08"
- 400 W Regulated O/P's
- MIL-STD-1275
- MIL-STD-461
- **Page 76**

DC-DC Selector Guide

0.25 Watt

IK
- ±10% Input
- Unregulated
- SIP & DIP Package
- Single Output
- 1000V Isolation
- **Page 47**

1 Watt

ITA/ITB
- ±10% Input
- Unregulated
- SIP Package
- Single & Dual Output
- 1500V Isolation
- **Page 51/52**

ITV
- ±10% Input
- Unregulated
- SIP Package
- Single & Dual Output
- 3000V Isolation
- **Page 52**

IA/IB/IE
- ±10% Input
- Unregulated
- SIP & DIP Package
- Single & Dual Output
- 1000V Isolation
- **Page 47/48**

IV
- ±10% Input
- Unregulated
- SIP & DIP Package
- Single & Dual Output
- Up to 6000V Isolation
- **Page 53**

IHA01
- ±10% Input
- Unregulated
- SIP Package
- Single & Dual Output
- 6000V Isolation
- **Page 49**

IQ
- ±10% Input
- Semi-regulated
- SIP Package
- 1000V Isolation
- 3000V Optional
- **Page 50**

IF
- ±10% Input
- Regulated
- SIP & DIP Package
- Single Output
- Up to 3000V Isolation
- **Page 48**

ITW/IW
- 2:1 Input
- Regulated
- SIP & DIP Package
- Single & Dual Output
- Up to 3000V Isolation
- **Page 52/53**

2 Watts

IL
- ±10% Input
- Unregulated
- SIP Package
- Single Output
- Up to 3000V Isolation
- **Page 54**

IH
- ±10% Input
- Unregulated
- SIP & DIP Package
- Dual Output
- Up to 6000V Isolation
- **Page 53**

IHL
- ±10% Input
- Unregulated
- SIP Package
- Single & Dual Output
- 5200V Isolation
- **Page 54**

IU
- 2:1 Input
- Regulated
- SIP & DIP Package
- Single & Dual Output
- 1000V/3000V Isolation
- **Page 57**

JCA02
- 2:1 Input
- 1" x 0.8" DIP24
- Single & Dual Output
- ITE Safety Approvals
- 1500V Basic Isolation
- **Page 60**

IEU02
- 2:1 Input
- Regulated
- DIP 8 Package
- Single & Dual Output
- 1500V Isolation
- **Page 57**

IM
- 4:1 Input
- Regulated
- SIP Package
- Single & Dual Output
- 1500V Isolation
- **Page 54**

3 Watts

IR
- ±10% Output
- Semi-regulated
- SIP Package
- Single & Dual Output
- 1000V/3000V Isolation
- **Page 58**

IS
- ±10% Input
- Regulated
- SIP Package
- Single Output
- 1000V/3000V Isolation
- **Page 58**

IZ
- 2:1 Input
- Regulated
- SIP Package
- Single & Dual Output
- 1600V Isolation
- **Page 60**

IEU03
- 2:1 Input
- Regulated
- DIP8 Package
- Single & Dual Output
- 1500V Isolation
- **Page 57**

JCA03
- 2:1 Input
- 1" x 0.8" DIP24
- Single & Dual Output
- ITE Safety Approvals
- 1500V Basic Isolation
- **Page 60**

JCE03
- 2:1 Input
- DIP24 Package
- Single & Dual Output
- 1500V Isolation
- 3000V Optional
- **Page 61**

JTE03
- 4:1 Input
- DIP24 Package
- Single & Dual Output
- 1500V Isolation
- 3000V Optional
- **Page 61**

IP/IT
- 4:1 Input
- Regulated
- SIP Package
- Single & Dual Output
- 1500V Isolation
- **Page 58/60**

4-5 Watts

JCA04
- 2:1 Input
- 1" x 0.8" DIP24
- Single & Dual Output
- ITE Safety Approvals
- 1500V Basic Isolation
- **Page 66**

JCD04
- 2:1 Input
- DIP24 Package
- Single & Dual Output
- 1600V Isolation
- 3500V Optional
- **Page 61**

JTC04
- 4:1 Input
- DIP24 Package
- Single & Dual Output
- 1500V Isolation
- 3500V Optional
- **Page 62**

JCD05
- 2:1 Input
- DIP24 Package
- Single & Dual Output
- 1600V Isolation
- 3500V Optional
- **Page 62**

IEQ05
- 4:1 Input
- SIP8 Package
- Remote On/Off
- Single & Dual Output
- 1500V Isolation
- **Page 62**

6 Watts

ITX
- 2:1 Input
- SIP Package
- Single & Dual Output
- 1500V Isolation
- 3000V Optional
- **Page 63**

JCA06
- 2:1 Input
- 1" x 0.8" DIP24
- Single & Dual Output
- ITE Safety Approvals
- 1500V Basic Isolation
- **Page 66**

JCD06
- 2:1 Input
- DIP24 Package
- Single & Dual Output
- 1600V Isolation
- 3500V Optional
- **Page 64**

JCE06
- 2:1 Input
- DIP24 Plastic Case
- Single & Dual Output
- 1500V Isolation
- 3000V Optional
- **Page 64**

JTE06
- 4:1 Input
- DIP24 Package
- Single & Dual Output
- 1500V Isolation
- 3000V Optional
- **Page 65**

JWE06
- 4:1 Input
- DIP16 Package
- Single & Dual Output
- 1500V Isolation
- ITE Safety Approvals
- **Page 65**

ITQ
- 4:1 Input
- SIP Package
- Single & Dual Output
- 1500V Isolation
- 3000V Optional
- **Page 63**

XP Power

8-9 Watts

JCJ08
- 2:1 Input
- 1.25" x 0.8" Package
- DIP24
- Single & Dual Output
- 1500V Isolation
- **Page 67**

JSE08
- 2:1 Input
- DIP16 Package
- Single & Dual Output
- 1500V Isolation
- ITE Safety Approvals
- **Page 65**

JTF08
- 4:1 Input
- DIP24 Package
- Single & Dual Output
- 1600V Isolation
- Remote On/Off
- **Page 67**

JWE08
- 4:1 Input
- DIP16 Package
- Single & Dual Output
- 1500V Isolation
- ITE Safety Approvals
- **Page 65**

ICZ09
- 2:1 Input
- SIP8 Package
- Single & Dual Output
- 1600V Isolation
- Remote On/Off
- **Page 66**

ITZ09
- 4:1 Input
- SIP8 Package
- Single & Dual Output
- 1600V Isolation
- Remote On/Off
- **Page 66**

10-12 Watts

JCA10
- 2:1 Input
- 1" x 0.8" DIP24
- Single & Dual Output
- 1500V Basic Isolation
- UL & TUV Approved
- **Page 66**

JCJ10
- 2:1 Input
- DIP24 Package
- Single & Dual Output
- 1500V Isolation
- High Efficiency
- **Page 67**

JSM10
- 2:1 Input
- 1" x 1" Package
- Single & Dual Output
- 1500V Isolation
- ITE Safety Approvals
- **Page 70**

JWK10
- 4:1 Input
- 1" x 1" Package
- Single & Dual Output
- 1500V Isolation
- ITE Safety Approvals
- **Page 70**

JTF10/12
- 4:1 Input
- DIP24 Package
- Single & Dual Output
- 1600V Isolation
- Remote On/Off
- **Page 67/68**

JCG12
- 2:1 Input
- DIP24 Package
- Single & Dual Output
- 1600V Isolation
- Remote On/Off
- **Page 68**

15 Watts

JCM15
- 2:1 Input
- 1" x 1" Package
- Single & Dual Output
- 1600V Isolation
- Remote On/Off
- **Page 69**

JCG15
- 2:1 Input
- DIP24 Package
- Single & Dual Output
- 1600V Isolation
- Remote On/Off
- **Page 68**

JCK15
- 2:1 Input
- 2" x 1" Package
- Single & Dual Output
- 1600V Isolation
- Industry Standard Package
- **Page 68**

JTK15
- 4:1 Input
- 1" x 1" Package
- Single & Dual Output
- 1600V Isolation
- Remote On/Off
- **Page 69**

JTF15
- 4:1 Input
- DIP24 Package
- Single & Dual Output
- 1600V Isolation
- Remote On/Off
- **Page 68**

JTD15
- 4:1 Input
- 1.6" x 1" Package
- Single & Dual Output
- 3000V Isolation
- Remote On/Off
- **Page 69**

20-25 Watts

JCM20
- 2:1 Input
- 1" x 1" Package
- Single & Dual Output
- 1600V Isolation
- Remote On/Off
- **Page 69**

JCK20
- 2:1 Input
- 2" x 1" Package
- Single & Dual Output
- 1600V Isolation
- Remote On/Off
- **Page 68**

JTK20
- 4:1 Input
- 1" x 1" Package
- Single & Dual Output
- 1600V Isolation
- Remote On/Off
- **Page 69**

JTD20
- 4:1 Input
- 1.6" x 1" Package
- Single & Dual Output
- 3000V Isolation
- Remote On/Off
- **Page 69**

JSM25
- 2:1 Input
- 1" x 1" Package
- Single & Dual Output
- 1500V Isolation
- ITE Safety Approvals
- **Page 70**

JWK25
- 4:1 Input
- 1" x 1" Package
- Single & Dual Output
- 1500V Isolation
- ITE Safety Approvals
- **Page 70**

30-50 Watts

JCM30
- 2:1 Input
- 1" x 1" Package
- Single & Dual Output
- 1600V Isolation
- Remote On/Off
- **Page 71**

JCK30/40
- 2:1 Input
- 2" x 1" Package
- Single & Dual Output
- 1600V Isolation
- Remote On/Off
- **Page 71**

JTK30
- 4:1 Input
- 1" x 1" Package
- Single & Dual Output
- 1600V Isolation
- Remote On/Off
- **Page 71**

JTL30
- 4:1 Input
- 2" x 1" Package
- Single, Dual & Triple
- 1600V Isolation
- Remote On/Off
- **Page 73**

JWL40
- 4:1 Input
- 2" x 1" Package
- Single & Dual Output
- 1500V Isolation
- ITE Safety Approvals
- **Page 72**

JTL40
- 4:1 Input
- 2" x 2" Package
- Single & Dual Output
- 1600V Isolation
- Remote On/Off
- **Page 73**

JCK50
- 2:1 Input
- 2" x 1" Package
- Single Output
- 1600V Isolation
- Remote On/Off
- **Page 72**

JWL50
- 4:1 Input
- 2" x 1" Package
- Single Output
- 1500V Isolation
- ITE Safety Approvals
- **Page 72**

60-750 Watts

JCK60
- 2:1 Input
- 2" x 2" Package
- Single Output
- 1600V Isolation
- Remote On/Off
- **Page 72**

JTL60
- 4:1 Input
- 2" x 1" Package
- Single & Dual Output
- 1600V Isolation
- Remote On/Off
- **Page 73**

QSC150
- 4:1 Input
- 1/4 Brick Package
- Single Output
- 2250V Isolation
- Remote On/Off
- **Page 74**

QSB75-350
- 2:1, 4:1 & 8:1 Input
- 1/4 & 1/2 Brick Packages
- Single Output
- 1500V Isolation
- Remote On/Off
- **Page 74/75**

QSB400-600
- 2:1 & 4:1 Input
- Full Brick Package
- Single Output
- 1500V Isolation
- Remote On/Off
- **Page 75**

QHL600
- 180 - 425VDC Input
- Full Brick Package
- Single Output
- 3000VAC Isolation
- Remote On/Off
- **Page 75**

QHL750
- 200 - 425VDC Input
- Full Brick Package
- Single Output
- 3000VAC Isolation
- Remote On/Off
- **Page 75**

DC-DC Selector Guide

SMD

0.25 Watt

ISK
- ±10% Input
- Unregulated
- Single Output
- 1500V Isolation
- Industry Standard Pinout
- **Page 47**

1 Watt

ISA
- ±10% Input
- Unregulated
- Dual Output
- 1500V Isolation
- 3000V Optional
- **Page 50**

ISE
- ±10% Input
- Unregulated
- Single Output
- Up to 3000V Isolation
- Industry Standard Pinout
- **Page 51**

ISW
- ±5% Input
- Regulated
- Single Output
- 1500V Isolation
- 3000V Optional
- **Page 51**

ISB01
- 2:1 Input
- Regulated
- Single & Dual Output
- 1500V Isolation
- Remote On/Off
- **Page 50**

ISD01
- ±10% Input
- Unregulated
- 400VDC Working Voltage
- Single & Dual Output
- 4200V Isolation
- **Page 55**

2 Watts

ISH
- ±10% Input
- Unregulated
- Single Output
- 1500V Isolation
- 3000V Optional
- **Page 56**

ISP
- 2:1 Input
- Regulated
- Single & Dual Output
- 1500V Isolation
- Industry Standard Pinout
- **Page 56**

ISU02
- 4:1 Input
- Regulated
- Single & Dual Output
- 1500V Isolation
- ITE Safety Approvals
- **Page 59**

ISD02
- ±10% Input
- Unregulated
- 400VDC Working Voltage
- Single & Dual Output
- 4200V Isolation
- **Page 55**

3-6 Watts

ISR
- 2:1 Input
- Regulated
- Single Output
- 1500V Isolation
- Industry Standard Pinout
- **Page 59**

ISC03
- 4:1 Input
- Regulated
- Single & Dual Output
- 1500V Isolation
- Remote On/Off
- **Page 59**

ISU03
- 4:1 Input
- Regulated
- Single & Dual Output
- 1500V Isolation
- ITE Safety Approvals
- **Page 59**

ISX06
- 4:1 Input
- Regulated
- Single & Dual Output
- 1500V Isolation
- Remote On/Off
- **Page 63**

⊕ = Medical Approvals

Medical

1 Watt

IMA01
- ±10% Input
- Unregulated
- SIP7 Package
- 4000 AC Isolation
- 1 x MOPP at 300VAC
- **Page 49**

ISM01
- ±10% Input
- Unregulated
- SMD Package
- 4000VAC Isolation
- 2 x MOPP at 250VAC
- **Page 56**

IMM01
- 2:1 Input
- Regulated
- SIP7 Package
- 1500VAC Isolation
- 1 x MOPP at 250VAC
- **Page 49**

2-3 Watts

ISM02
- ±10% Input
- Unregulated
- SMD Package
- 4000VAC Isolation
- 1 x MOPP at 300VAC
- **Page 56**

IML02
- ±10% Input
- Unregulated
- SIP7 Package
- 4000VAC Isolation
- 1 x MOPP at 300VAC
- **Page 55**

IMM02
- 2:1 Input
- Regulated
- SIP8 Package
- 1500VAC Isolation
- 1 x MOPP at 250VAC
- **Page 55**

JHL03
- 10 - 17VDC Input
- 20 - 30VDC Input
- DIP24 Package
- 4000VAC Isolation
- 2 x MOPP at 250VAC
- **Page 64**

6-20 Watts

JHL06
- Wide Input
- Regulated
- DIP24 Package
- 4000VAC Isolation
- 2 x MOPP at 250VAC
- **Page 64**

JHM10
- 2:1 Input
- Regulated
- DIP24 Package
- 4000VAC Isolation
- 2 x MOPP at 250VAC
- **Page 67**

JHM15
- 2:1 Input
- Regulated
- DIP24 Package
- 4000VAC Isolation
- 2 x MOPP at 250VAC
- **Page 67**

JMM20
- 2:1 Input
- Regulated
- 2" x 1" Package
- 4200VAC Isolation
- 2 x MOPP at 300VAC
- **Page 70**

LED Drivers

5-14 Watts

LDU05/07/08/14
- 7 - 30 VDC Input
- Constant Current Output
- Up to 1000mA
- Non-isolated
- Dimming Control
- **Page 83**

20-56 Watts

LDU20/24
- 7 - 30 VDC Input
- Constant Current Output
- Up to 1000mA
- Non-isolated
- Dimming Control
- **Page 83**

LDU48/56
- 7 - 60 VDC Input
- Constant Current Output
- Up to 1000mA
- Non-isolated
- Dimming Control
- **Page 83**

Switching Regulators

0.5 Amps

TR05
- Wide Input Range
- Non-isolated
- 3 Pin SIP Package
- Up to 94% Efficiency
- Short-circuit Protection
- **Page 46**

STR05
- 0.5 A Regulator
- Non-isolated
- Wide Input Range
- Short-circuit Protection
- SMD Package
- **Page 46**

0.5-1.0 Amps

SRH05
- Wide Input Range
- Non-isolated
- 3 Pin SIP Package
- Up to 97% Efficiency
- Short-circuit Protection
- **Page 46**

TR10
- 1.0 A Regulator
- Non-isolated
- 3 Pin SIP Package
- Wide Input Range
- Short-circuit Protection
- **Page 46**

Railway

3-8 Watts

RDE03
- 4:1, 9 - 36VDC Input
- 4:1, 18 - 75VDC Input
- 4:1, 40 - 160VDC Input
- EN50155 Compliant
- Single & Dual Output
- **Page 79**

RDD08
- 5:1, 13 - 70VDC Input
- 4:1, 42 - 176VDC Input
- DIP24 Package
- EN50155 Compliant
- Single & Dual Output
- **Page 79**

20-40 Watts

RDC20/30
- 3:1, 36 - 140VDC Input
- 3:1, 55 - 176VDC Input
- 2" x 1" Package
- EN50155 Compliant
- Single & Dual Output
- **Page 79/80**

RDC40
- 3:1, 36 - 140VDC Input
- 3:1, 55 - 176VDC Input
- 2" x 1.6" Package
- EN50155 Compliant
- Single & Dual Output
- **Page 80**

50 Watts

RCQ50
- 2:1, 43 - 101VDC Input
- 3:1, 66 - 160VDC Input
- 1/4 Brick Package
- EN50155 Compliant
- Baseplate-cooled
- **Page 81**

RDF50
- 12:1, 14 - 160 VDC Input
- 1/4 Brick Package
- EN50155 Compliant
- 3000 VDC Isolation
- Single Output
- **Page 80**

75 Watts

RCQ75
- 2:1, 43 - 101VDC Input
- 3:1, 66 - 160VDC Input
- 1/4 Brick Package
- EN50155 Compliant
- Baseplate-cooled
- **Page 81**

100 Watts

RDQ100
- 3:1, 66 - 160VDC Input
- 1/4 Brick Package
- EN50155 Compliant
- Baseplate-cooled
- Single Output
- **Page 81**

RDL100
- 3:1, 66 - 160VDC Input
- 1/2 Brick Package
- EN50155 Compliant
- Baseplate-cooled
- Single Output
- **Page 81**

150-600 Watts

RDQ150
- 3:1, 66 - 160VDC Input
- 1/2 Brick Package
- EN50155 Compliant
- Baseplate-cooled
- Single Output
- **Page 82**

RDH300-600
- 4:1, 43 - 160VDC Input
- 1/2 & Full Brick Packages
- EN50155 Compliant
- Baseplate-cooled
- Single Output
- **Page 82**

Chassis Mount / DIN Rail

15-30 Watts

JVA15
- 200 - 1500VDC Input
- 4000V Isolation
- Single Output
- 4000VAC Isolation
- EN62109/UL1741
- **Page 72**

DDC15
- 4:1 Input
- 1500V Isolation
- Single Output
- Low Profile Design
- 3.3 to 24 V Outputs
- **Page 38**

DTE20
- 4:1 Input
- 2500V Isolation
- Single Output
- DIN Rail Option
- Remote On/Off
- **Page 73**

DDC30
- 4:1 Input
- 1500V Isolation
- Single Output
- Low Profile Design
- Remote On/Off
- **Page 38**

40-60 Watts

JVA40
- 200 - 1500VDC Input
- 4000V Isolation
- Single Output
- 4000VAC Isolation
- EN62109/UL1741
- **Page 72**

DDC40
- 3:1 Input
- 1500V Isolation
- Single Output
- Low Profile Design
- Remote On/Off
- **Page 38**

DTE40
- 4:1 Input
- 2500V Isolation
- Single Output
- DIN Rail Option
- Remote On/Off
- **Page 73**

DTE60
- 4:1 Input
- 2500V Isolation
- Single Output
- DIN Rail Option
- Remote On/Off
- **Page 73**

High Voltage

Regulated

P
- 2.4 milliwatts
- Up to 2kV Output
- Ultra Low Ripple
- Low Profile - 0.24"
- Magnetic Free Design
- **Page 87**

SIP90
- 0.1 Watt
- <25 - 90V Output
- Ultra Thin
- SIP Package
- Remote On/Off
- **Page 88**

SIP100
- 1 Watt
- <25 - 100V Output
- Ultra Thin
- SIP Package
- Remote On/Off
- **Page 88**

C
- 1 Watt
- Up to 8kV Output
- Low Noise
- Programmable
- Shielded Case
- **Page 87**

Regulated

CA
- 1 Watt
- Up to 2kV Output
- Low Noise
- Voltage Monitor
- Shielded Case
- **Page 87**

CA-T
- 1 Watt
- Up to 2kV Output
- Low Noise
- -55 °C Operation
- Shielded Case
- **Page 87**

CB
- 1 Watt
- Up to 10kV Output
- Voltage Monitor
- Current Monitor
- Shielded Case
- **Page 88**

HRL30
- 30 Watt
- Up to 6kV Output
- Low Ripple
- Programmable
- V & I Monitoring
- **Page 88**

Proportional

Q
- 0.5 Watt
- Up to 10kV Output
- Isolated Design
- Single & Dual Output
- Up to 5kV in 0.5" Cube
- **Page 84**

GP
- 1 Watts
- Up to 6kV Output
- Isolated Design
- Low Power Consumption
- Low Noise
- **Page 84**

AG/AGH
- 1 - 1.5 Watts
- Up to 6kV Output
- SMD Package
- Isolated Design
- Low Profile - 0.25"
- **Page 85**

A/AH
- 1 - 1.5 Watts
- Up to 6kV Output
- Isolated Design
- Output Control
- Low Profile - 0.25"
- **Page 85**

Proportional

G
- 1.5 Watts
- Up to 6kV Output
- Isolated Design
- Single & Dual Output
- Compact Package
- **Page 85**

E
- 2 - 3 Watts
- Up to 8kV Output
- Isolated Design
- Single & Dual Output
- Low Leakage Current
- **Page 86**

FS
- 10 Watts
- Up to 6kV Output
- Smart Features
- Single & Dual Output
- Thermal Shutdown
- **Page 86**

F
- 10 Watts
- Up to 8kV Output
- Short-circuit Protection
- Single & Dual Output
- Shielded Case
- **Page 86**

VCE03

3 Watts

ITE

- Ultra Compact SIL Package
- Single Outputs from 3.3 to 48VDC
- PCB Mount
- Encapsulated & Open Frame
- 85 to 305VAC Operation
- ITE & Household Appliance Approvals
- Class II
- Low Cost
- 3 Year Warranty

Power	Output Voltage	Output Current	Model
3 W	3.3 VDC	910 mA	VCE03US03
3 W	5.0 VDC	600 mA	VCE03US05
3 W	9.0 VDC	333 mA	VCE03US09
3 W	12.0 VDC	250 mA	VCE03US12
3 W	15.0 VDC	200 mA	VCE03US15
3 W	24.0 VDC	125 mA	VCE03US24
3 W	48.0 VDC	63 mA	VCE03US48

Dimensions:

VCE03: 1.60 x 0.75 x 0.75 in (40.6 x 19.0 x 19.0 mm)
VCE03-P: 1.50 x 0.65 x 0.65 in (38.1 x 16.5 x 16.5 mm)

Notes:
For open frame version add suffix '-P' to model number, e.g. VCE03US12-P

EME05

5 Watts

Medical

- Compact Size
- Medical Approvals (2 x MOPP)
- Single Outputs from 3.3 to 48VDC
- Open Frame & Encapsulated PCB Mount
- Class II
- Peak Load Capability
- No External Components Required
- 3 Year Warranty

Power	Output Voltage	Output Current		Model
		Nom.	Peak	
5 W	3.3 VDC	1510 mA	1960 mA	EME05US03
5 W	5.0 VDC	1000 mA	1300 mA	EME05US05
5 W	9.0 VDC	555 mA	722 mA	EME05US09
5 W	12.0 VDC	416 mA	541 mA	EME05US12
5 W	15.0 VDC	333 mA	433 mA	EME05US15
5 W	24.0 VDC	208 mA	270 mA	EME05US24
5 W	36.0 VDC	138 mA	180 mA	EME05US36
5 W	48.0 VDC	104 mA	135 mA	EME05US48

Dimensions:

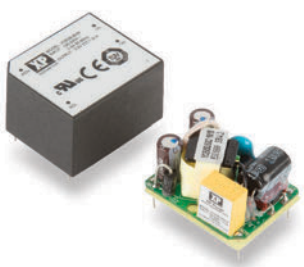
EME05: 1.50 x 1.00 x 0.60 in (36.1 x 25.4 x 15.2 mm)
EME05-P: 1.40 x 0.94 x 0.69 in (35.6 x 23.7 x 17.6 mm)

Notes:
Peak load lasting <30s with a maximum duty cycle of 10%, average output power not to exceed nominal. For open frame version add suffix '-P' to model number, e.g. EME05US12-P.

VCE05

5 Watts

ITE



- Compact Size
- Single Outputs from 3.3 to 48VDC
- Open Frame & Encapsulated PCB Mount
- <0.3W No Load Input Power
- Peak Load Capability
- No External Components Required
- Class II
- Low Cost
- 3 Year Warranty

Power	Output Voltage	Output Current		Model
		Nom.	Peak	
5 W	3.3 VDC	1210 mA	1573 mA	VCE05US03
5 W	5.0 VDC	1000 mA	1300 mA	VCE05US05
5 W	9.0 VDC	550 mA	722 mA	VCE05US09
5 W	12.0 VDC	410 mA	541 mA	VCE05US12
5 W	15.0 VDC	330 mA	433 mA	VCE05US15
5 W	24.0 VDC	210 mA	270 mA	VCE05US24
5 W	48.0 VDC	100 mA	135 mA	VCE05US48

Dimensions:

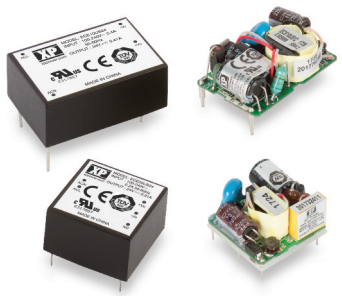
VCE05: 1.30 x 1.10 x 0.75 in (33.0 x 27.9 x 19.0 mm)
VCE05-P: 1.20 x 1.00 x 0.705 in (30.8 x 25.4 x 17.9 mm)

Notes:
Peak load lasting <30s with a maximum duty cycle of 10%, average output power not to exceed nominal. For open frame version add suffix '-P' to model number, e.g. VCE05US12-P.

ECE05-10

5-10 Watts

ITE



- Ultra Compact Size
- Single Outputs from 3.3 to 48VDC
- Open Frame & Encapsulated PCB Mount
- <0.3W No Load Input Power
- Peak Load Capability
- No External Components Required
- 3 Year Warranty

Dimensions:

ECE05: 1.00 x 1.00 x 0.60 in (25.4 x 25.4 x 15.2 mm)
ECE05-P: 0.94 x 0.94 x 0.61 in (23.9 x 23.9 x 15.5 mm)
ECE10: 1.50 x 1.00 x 0.60 in (38.1 x 25.4 x x 15.2 mm)
ECE10-P: 1.40 x 0.93 x 0.67 in (23.9 x 38.1 x 17.1 mm)

Power	Output Voltage	Output Current		Model
		Nom.	Peak	
5 W	3.3 VDC	1.51 A	1.81 A	ECE05US03
5 W	5.0 VDC	1.00 A	1.20 A	ECE05US05
5 W	9.0 VDC	0.55 A	0.66 A	ECE05US09
5 W	12.0 VDC	0.41 A	0.49 A	ECE05US12
5 W	15.0 VDC	0.33 A	0.40 A	ECE05US15
5 W	24.0 VDC	0.21 A	0.25 A	ECE05US24
5 W	48.0 VDC	0.10 A	0.12 A	ECE05US48
8.6 W	3.3 VDC	2.60 A	3.12 A	ECE10US03
10 W	5.0 VDC	2.00 A	2.40 A	ECE10US05
10 W	9.0 VDC	1.11 A	1.33 A	ECE10US09
10 W	12.0 VDC	0.83 A	1.00 A	ECE10US12
10 W	15.0 VDC	0.66 A	0.79 A	ECE10US15
10 W	24.0 VDC	0.41 A	0.49 A	ECE10US24
10 W	48.0 VDC	0.21 A	0.25 A	ECE10US48

Notes:
Peak load lasting <30s with a maximum duty cycle of 10%, average output power not to exceed nominal power. For open frame version add suffix '-P' to model number, e.g. ECE05US12-P.

ECL05-10

5-10 Watts

ITE

- Compact Size
- Single Outputs from 3.3 to 48VDC
- Open Frame PCB & Chassis Mount
- Encapsulated PCB Mount Versions
- <0.3W No Load Input Power
- Peak Load Capability
- 3 Year Warranty

Dimensions:

ECL05/10-P: 1.95 x 1.00 x 0.90 in (49.5 x 25.4 x 22.9 mm)
ECL05/10-T: 2.56 x 1.00 x 0.85 in (65.0 x 25.4 x 21.6 mm)
ECL05/10-E: 2.06 x 1.07 x 0.91 in (52.4 x 27.2 x 23.1 mm)

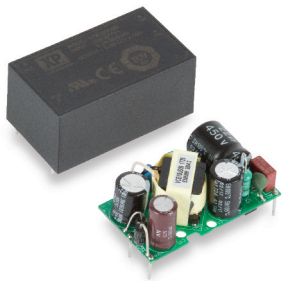
Power	Output Voltage	Output Current		Model
		Nom.	Peak	
4.3 W	3.3 VDC	1.30 A	1.69 A	ECL05US03
5 W	5.0 VDC	1.00 A	1.30 A	ECL05US05
5 W	9.0 VDC	0.55 A	0.71 A	ECL05US09
5 W	12.0 VDC	0.41 A	0.54 A	ECL05US12
5 W	15.0 VDC	0.33 A	0.44 A	ECL05US15
5 W	24.0 VDC	0.21 A	0.27 A	ECL05US24
5 W	48.0 VDC	0.10 A	0.13 A	ECL05US48
8.6 W	3.3 VDC	2.60 A	3.38 A	ECL10US03
10 W	5.0 VDC	2.00 A	2.60 A	ECL10US05
10 W	9.0 VDC	1.10 A	1.43 A	ECL10US09
10 W	12.0 VDC	0.83 A	1.08 A	ECL10US12
10 W	15.0 VDC	0.67 A	0.87 A	ECL10US15
10 W	24.0 VDC	0.42 A	0.55 A	ECL10US24
10 W	48.0 VDC	0.21 A	0.27 A	ECL10US48

Notes:
Peak load lasting <30s with a maximum duty cycle of 10%, average output power not to exceed nominal. Add suffix '-P' for open frame, add '-T' for chassis mount, add '-E' for encapsulated.

VCE10

10 Watts

ITE



- Compact Size
- Single Outputs from 3.3 to 48VDC
- PCB Mount
- Encapsulated & Open Frame
- 85 to 305VAC Input
- ITE & Household Appliance Approvals
- Class II
- Low Cost
- 3 Year Warranty

Dimensions:

VCE10: 2.00 x 1.15 x 0.91 in (50.8 x 29.2 x 23.1 mm)
VCE10-P: 1.90 x 1.05 x 0.88 in (48.3 x 26.7 x 22.4 mm)

Power	Output Voltage	Output Current	Model
10 W	3.3 VDC	2400 mA	VCE10US03
10 W	5.0 VDC	2000 mA	VCE10US05
10 W	9.0 VDC	1110 mA	VCE10US09
10 W	12.0 VDC	830 mA	VCE10US12
10 W	15.0 VDC	670 mA	VCE10US15
10 W	24.0 VDC	420 mA	VCE10US24
10 W	48.0 VDC	210 mA	VCE10US48

Notes:
For open frame version add suffix '-P' to model number, e.g. VCE10US12-P

ECL15

15 Watts

ITE

- Compact Size
- Single, Dual & Triple Outputs
- Open Frame PCB & Chassis Mount
- Encapsulated PCB & Screw Terminal
- <0.3W No Load Input Power
- Peak Load Capability
- DIN Rail Version Available
- Class II
- 3 Year Warranty

Dimensions:

ECL15-P: 2.44 x 1.21 x 0.95 in (62.0 x 30.7 x 24.1 mm)
ECL15-T: 3.10 x 1.25 x 0.91 in (78.7 x 31.7 x 23.1 mm)
ECL15-E: 2.56 x 1.31 x 0.96 in (65.0 x 33.3 x 24.4 mm)
ECL15-S: 3.30 x 1.36 x 1.04 in (84.0 x 34.5 x 26.4 mm)

Power	Output Voltage	Output Current		Model
		Nom.	Peak	
10 W	3.3 VDC	3.00 A	3.90 A	ECL15US03
15 W	5.0 VDC	3.00 A	3.90 A	ECL15US05
15 W	9.0 VDC	1.67 A	2.17 A	ECL15US09
15 W	12.0 VDC	1.25 A	1.62 A	ECL15US12
15 W	15.0 VDC	1.00 A	1.30 A	ECL15US15
15 W	24.0 VDC	0.63 A	0.82 A	ECL15US24
15 W	48.0 VDC	0.32 A	0.41 A	ECL15US48

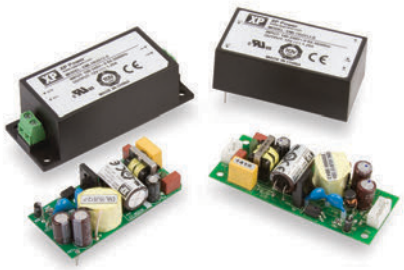
Power	Output Voltage	Output Current	Model
15 W	12/±12 VDC	0.65/0.650 A	ECL15UD01
15 W	15/±15 VDC	0.50/0.500 A	ECL15UD02
15 W	5/12 VDC	1.30/0.625 A	ECL15UD03
15 W	5/±12 VDC	2.00/0.20/0.20 A	ECL15UT02
15 W	5/±15 VDC	2.00/0.15/0.15 A	ECL15UT03

Notes:
Peak load lasting <30s with a maximum duty cycle of 10%, average output power not to exceed nominal. Add suffix '-P' for PCB mount, add '-T' for chassis mount, add '-E' for encapsulated, add '-S' for screw terminals. A screw terminal version (-S) is available with DIN clip attached, add suffix 'D'. DIN rail mounting kit is available as a seperate item, order code ECL15 DIN CLIP.

EML15

15 Watts

Medical



- Compact Size
- Medical Approvals (2 x MOPP)
- Single Outputs from 3.3 to 48VDC
- Open Frame PCB & Chassis Mount
- Encapsulated PCB & Screw Terminal
- DIN Rail Version Available
- Class II
- Peak Load Capability
- 3 Year Warranty

Dimensions:

EML15-P: 2.44 x 1.21 x 0.95 in (62.0 x 30.7 x 24.1 mm)
EML15-T: 3.10 x 1.25 x 0.91 in (78.7 x 31.8 x 23.1 mm)
EML15-E: 2.56 x 1.31 x 0.96 in (65.0 x 33.3 x 24.4 mm)
EML15-S: 3.30 x 1.36 x 1.04 in (84.0 x 34.5 x 26.4 mm)

Power	Output Voltage	Output Current		Model
		Nom.	Peak	
10 W	3.3 VDC	3.00 A	3.90 A	EML15US03
15 W	5.0 VDC	3.00 A	3.90 A	EML15US05
15 W	9.0 VDC	1.67 A	2.17 A	EML15US09
15 W	12.0 VDC	1.25 A	1.62 A	EML15US12
15 W	15.0 VDC	1.00 A	1.30 A	EML15US15
15 W	24.0 VDC	0.63 A	0.82 A	EML15US24
15 W	36.0 VDC	0.42 A	0.54 A	EML15US36
15 W	48.0 VDC	0.32 A	0.41 A	EML15US48

Notes:
Peak load lasting <30s with a maximum duty cycle of 10%, average output power not to exceed nominal. Add suffix '-P' for PCB mount, add '-T' for chassis mount, add '-E' for encapsulated, add '-S' for screw terminals. A screw terminal version (-S) is available with DIN clip attached, add suffix 'D'. DIN rail mounting kit is available as a seperate item, order code ECL15 DIN CLIP.

ECL25-30

25-30 Watts

ITE

- Compact Size
- Single, Dual & Triple Outputs
- Open Frame PCB & Chassis Mount
- Encapsulated PCB & Screw Terminal
- DIN Rail Version Available
- <0.3W No Load Input Power
- Peak Load Capability
- 3 Year Warranty

Dimensions:

ECL25/30-P: 2.96 x 1.36 x 0.95 in (75.2 x 34.5 x 24.1 mm)
ECL25/30-T: 3.46 x 1.36 x 1.00 in (87.9 x 34.5 x 25.4 mm)
ECL25/30-E: 3.10 x 1.50 x 1.10 in (78.7 x 38.1 x 27.9 mm)
ECL25/30-S: 3.78 x 1.57 x 1.12 in (96.0 x 40.0 x 28.5 mm)

Power	Output Voltage	Output Current		Model
		Nom.	Peak	
20 W	3.3 VDC	6.00 A	7.80 A	ECL25US03
25 W	5.0 VDC	5.00 A	6.50 A	ECL25US05
25 W	9.0 VDC	2.80 A	3.64 A	ECL25US09
25 W	12.0 VDC	2.10 A	2.73 A	ECL25US12
25 W	15.0 VDC	1.67 A	2.17 A	ECL25US15
25 W	24.0 VDC	1.04 A	1.35 A	ECL25US24
25 W	48.0 VDC	0.52 A	0.68 A	ECL25US48

Power	Output Voltage	Output Current		Model
		Nom.	Peak	
30 W	±12.0 VDC	±1.30 A		ECL30UD01
30 W	±15.0 VDC	±1.00 A		ECL30UD02
30 W	5.0/12.0 VDC	3.0/1.3 A		ECL30UD03
30 W	5/±12 VDC	3.0/0.63/0.63 A		ECL30UT02
30 W	5/±15 VDC	3.0/0.5/0.5 A		ECL30UT03

Notes:
Peak load lasting <30s with a maximum duty cycle of 10%, average output power not to exceed nominal. Add suffix '-P' for PCB mount, add '-T' for chassis mount, add '-E' for encapsulated, add '-S' for screw terminals. A screw terminal version (-S) is available with DIN clip attached, add suffix 'D'. DIN rail mounting kit is available as a separate item, order code ECL25/30 DIN CLIP.

EML30

30 Watts

Medical

- Compact Size
- Medical Approvals (2 x MOPP)
- Single Outputs from 3.3 to 48VDC
- Open Frame PCB & Chassis Mount
- Encapsulated PCB & Screw Terminal
- DIN Rail Version Available
- Class II
- Peak Load Capability
- 3 Year Warranty

Dimensions:

EML30-P: 2.96 x 1.36 x 1.05 in (75.2 x 34.6 x 26.7 mm)
EML30-T: 3.46 x 1.36 x 1.00 in (87.9 x 34.6 x 25.4 mm)
EML30-E: 3.10 x 1.50 x 1.10 in (78.7 x 38.1 x 27.9 mm)
EML30-S: 3.78 x 1.57 x 1.12 in (96.0 x 40.0 x 28.5 mm)

Power	Output Voltage	Output Current		Model
		Nom.	Peak	
20 W	3.3 VDC	6.00 A	7.80 A	EML30US03
30 W	5.0 VDC	6.00 A	7.80 A	EML30US05
30 W	9.0 VDC	3.33 A	4.33 A	EML30US09
30 W	12.0 VDC	2.50 A	3.25 A	EML30US12
30 W	15.0 VDC	2.00 A	2.60 A	EML30US15
30 W	24.0 VDC	1.25 A	1.63 A	EML30US24
30 W	36.0 VDC	0.83 A	1.08 A	EML30US36
30 W	48.0 VDC	0.62 A	0.81 A	EML30US48

Notes:
Peak load lasting <30s with a maximum duty cycle of 10%, average output power not to exceed nominal.Add suffix '-P' for PCB mount, add '-T' for chassis mount, add '-E' for encapsulated, add '-S' for screw terminals. A screw terminal version (-S) is available with DIN clip attached, add suffix 'D', e.g. EML30US24-SD, DIN rail mounting kit is available as a seperate item, order code ECL25/30 DIN CLIP.

ECE20-40

20-40 Watts

ITE

- Ultra Compact Size
- Single Outputs from 3.3 to 48VDC
- Encapsulated PCB & Screw Terminal
- DIN Rail Version Available
- <0.3W No Load Input Power
- Peak Load Capability
- 3 Year Warranty

Dimensions:

ECE20: 2.06 x 1.07 x 0.91 in (52.4 x 27.2 x 23.0 mm)
ECE40: 3.10 x 1.50 x 1.10 in (78.7 x 38.1 x 27.9 mm)
ECE40-S: 3.78 x 1.57 x 1.12 in (96.0 x 40.0 x 28.5 mm)

Power	Output Voltage	Output Current		Model
		Nom.	Peak	
15 W	3.3 VDC	4.55 A	5.85 A	ECE20US03
20 W	5.0 VDC	4.00 A	5.20 A	ECE20US05
20 W	9.0 VDC	2.22 A	2.89 A	ECE20US09
20 W	12.0 VDC	1.67 A	2.17 A	ECE20US12
20 W	15.0 VDC	1.33 A	1.73 A	ECE20US15
20 W	24.0 VDC	0.83 A	1.08 A	ECE20US24
20 W	48.0 VDC	0.42 A	0.55 A	ECE20US48
33 W	3.3 VDC	10.00 A	13.00 A	ECE40US03
40 W	5.0 VDC	8.00 A	10.40 A	ECE40US05
40 W	9.0 VDC	4.44 A	5.77 A	ECE40US09
40 W	12.0 VDC	3.33 A	4.33 A	ECE40US12
40 W	15.0 VDC	2.67 A	3.47 A	ECE40US15
40 W	24.0 VDC	1.67 A	2.17 A	ECE40US24
40 W	48.0 VDC	0.83 A	1.08 A	ECE40US48

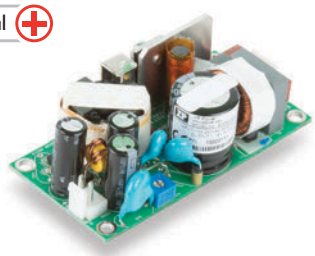
Notes:
Peak load lasting <30s with a maximum duty cycle of 10%. Average power not to exceed nominal power. ECE20 format is encapsulated PCB only. ECE40 screw terminal version '-S' is available with DIN clip attached, add suffix 'D', e.g. ECE40US12-SD, DIN rail mounting kit is available as a seperate item, order code ECL25/30 DIN CLIP.

ECF40

40 Watts

ITE

Medical



- 40W Convection-cooled
- Ultra Compact Size
- 3" x 1.5" Footprint & Low 1.1" Profile
- High Efficiency
- ITE & Medical (2 x MOPP) Approvals
- High Power Density
- Class I & Class II Installations
- <0.15W No Load Input Power
- 3 Year Warranty

Dimensions:

ECF40: 3.00 x 1.50 x 1.11 in (76.2 x 38.1 x 28.14 mm)

Power	Output Voltage	Output Current	Model
40 W	12.0 VDC	3.34 A	ECF40US12
40 W	15.0 VDC	2.67 A	ECF40US15
40 W	18.0 VDC	2.23 A	ECF40US18
40 W	24.0 VDC	1.67 A	ECF40US24
40 W	36.0 VDC	1.11 A	ECF40US36
40 W	48.0 VDC	0.83 A	ECF40US48

FCS40

40 Watts

ITE

Medical

- 40W Convection-cooled
- Compact Package, 3"x 2"x 1.1"
- ITE & Medical (2 x MOPP) Approvals
- Single Output
- <0.15W No Load Input Power
- Class I & Class II Installations
- 3 Year Warranty

Power	Output Voltage	Output Current	Model
40 W	12.0 VDC	3.34 A	FCS40US12
40 W	15.0 VDC	2.67 A	FCS40US15
40 W	18.0 VDC	2.23 A	FCS40US18
40 W	24.0 VDC	1.67 A	FCS40US24
40 W	36.0 VDC	1.11 A	FCS40US36
40 W	48.0 VDC	0.83 A	FCS40US48

Dimensions:

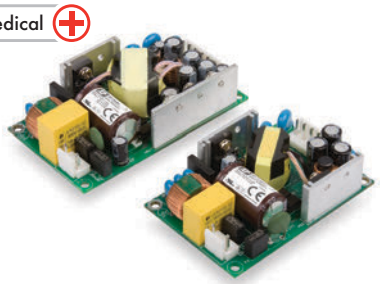
FCS40: 3.00 x 2.00 x 1.10 in (76.2 x 50.8 x 27.94 mm)

ECP40

40 Watts

ITE

Medical



- Low Profile Design
- Compact Size from 3"x 2"x 0.9"
- ITE & Medical (2 x MOPP) Approvals
- Single, Dual & Triple Outputs
- <0.3W No Load Input Power
- Peak Load Capability
- 3 Year Warranty

Power	Output Voltage	Output Current		Model
		Nom.	Peak	
30 W	5.0 VDC	6.00 A	7.80 A	ECP40US05
40 W	12.0 VDC	3.34 A	4.34 A	ECP40US12
40 W	15.0 VDC	2.67 A	3.47 A	ECP40US15
40 W	18.0 VDC	2.22 A	2.89 A	ECP40US18
40 W	24.0 VDC	1.67 A	2.17 A	ECP40US24
40 W	30.0 VDC	1.34 A	1.74 A	ECP40US30
40 W	48.0 VDC	0.84 A	1.09 A	ECP40US48
40 W	5.0/12.0 VDC	5.0/2.0 A		ECP40UD01
40 W	5.0/15.0 VDC	5.0/1.5 A		ECP40UD02
40 W	5.0/24.0 VDC	5.0/1.0 A		ECP40UD03
40 W	5/±12 VDC	5/2/0.5 A		ECP40UT01
40 W	5/±15 VDC	5/1.5/0.5 A		ECP40UT02
40 W	5/24/12 VDC	5/1.0/0.5 A		ECP40UT03
40 W	5/24/-12 VDC	5/1.0/0.5 A		ECP40UT04

Dimensions:

ECP40: 3.00 x 2.00 x 0.91 in (76.2 x 50.8 x 23.0 mm)
ECP40UD/UT: 3.50 x 2.00 x 1.01 in (88.9 x 50.8 x 25.7 mm)

Notes:
Peak load lasting <30s with a maximum duty cycle of 10%, average output power not to exceed nominal.

ECP60

60 Watts

ITE

Medical

- 60W Convection-cooled
- Compact Package, 4"x 2"x 1.2"
- ITE & Medical (2 x MOPP) Approvals
- Single, Dual & Triple Outputs
- <0.5W No Load Input Power
- Peak Load Capability
- 3 Year Warranty

Power	Output Voltage	Output Current		Model
		Nom.	Peak O/P 1&2	
55 W	5.0 VDC	11 A	14.3 A	ECP60US05
60 W	5.0/12.0 VDC	7.0 A/3.0 A	9.1/3.9 A	ECP60UD01
60 W	5.0/15.0 VDC	7.0 A/2.0 A	9.1/2.6 A	ECP60UD02
60 W	5.0/24.0 VDC	7.0 A/1.5 A	9.1/1.95 A	ECP60UD03
60 W	5.0/±12.0 VDC	7/3/0.3 A	9.1/3.9 A	ECP60UT01
60 W	5.0/±15.0 VDC	7/2/0.3 A	9.1/2.6 A	ECP60UT02
60 W	5/24/12 VDC	7/1.5/0.3 A	9.1/1.95 A	ECP60UT03
60 W	5/24/-12 VDC	7/1.5/0.3 A	9.1/1.95 A	ECP60UT04

Dimensions:

ECP60: 4.00 x 2.00 x 1.20 in (101.6 x 50.8 x 30.4 mm)

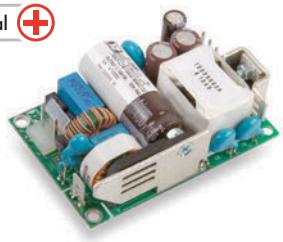
Notes:
Peak load lasting <30s with a maximum duty cycle of 10%, average output power not to exceed nominal.

ECS25-60

25-60 Watts

ITE

Medical



- 25, 45 & 60W - Convection-cooled
- Very Small 3"x 2"x 0.95" Package
- ITE & Medical (2 x MOPP) Approvals
- <0.3W No Load Input Power
- Class I & Class II Installations
- -20 °C to +70 °C Operation
- 3 Year Warranty

Dimensions:

ECS25/ECS45 (>5V):
3.00 x 2.00 x 0.95 in (76.2 x 50.8 x 24.1 mm)
ECS45 (5V)/ ECS60:
3.00 x 2.00 x 1.05 in (76.2 x 50.8 x 26.7 mm)

Power	Output Voltage	Output Current	Model
25 W	12.0 VDC	2.08 A	ECS25US12
25 W	15.0 VDC	1.67 A	ECS25US15
25 W	24.0 VDC	1.04 A	ECS25US24
25 W	48.0 VDC	0.52 A	ECS25US48
30 W	5.0 VDC	6.00 A	ECS45US05
45 W	12.0 VDC	3.75 A	ECS45US12
45 W	15.0 VDC	3.00 A	ECS45US15
45 W	24.0 VDC	1.90 A	ECS45US24
45 W	48.0 VDC	0.95 A	ECS45US48
40 W	5.0 VDC	8.00 A	ECS60US05
60 W	12.0 VDC	5.00 A	ECS60US12
60 W	15.0 VDC	4.00 A	ECS60US15
60 W	24.0 VDC	2.50 A	ECS60US24
60 W	48.0 VDC	1.25 A	ECS60US48

Notes:
For covered versions, add suffix '-C' to model number or order part number ECS25-60 COVER KIT for standalone cover. Not suitable for use in class II installations, derate output power by 20% with cover.

FCS60

60 Watts

ITE

Medical

- 60W Convection-cooled
- Compact Package, 4"x 2"x 1.1"
- ITE & Medical (2 x MOPP) Approvals
- Single Output
- <0.15W No Load Input Power
- Class I & Class II Installations
- 3 Year Warranty

Dimensions:

FCS60: 4.00 x 2.00 x 1.10 in (101.6 x 50.8 x 27.94 mm)

Power	Output Voltage	Output Current	Model
60 W	12.0 VDC	5.00 A	FCS60US12
60 W	15.0 VDC	4.00 A	FCS60US15
60 W	18.0 VDC	3.33 A	FCS60US18
60 W	24.0 VDC	2.50 A	FCS60US24
60 W	36.0 VDC	1.67 A	FCS60US36
60 W	48.0 VDC	1.25 A	FCS60US48

ECE60-80

60-80 Watts

ITE

- Ultra Compact Size
- Single Outputs from 3.3 to 48VDC
- Encapsulated PCB & Screw Terminal
- DIN Rail Version Available
- <0.3W No Load Input Power
- -40 to +70 °C Operation
- Peak Load Capability
- 3 Year Warranty

Dimensions:

ECE60: 3.60 x 1.50 x 1.10 in (91.4 x 38.1 x 28.0 mm)
ECE60-S: 4.45 x 1.57 x 1.12 in (113.0 x 40.0 x 28.5 mm)
ECE80: 3.60 x 1.80 x 1.10 in (91.4 x 45.72 x 28.0 mm)
ECE80-S: 4.45 x 1.87 x 1.12 in (113.0 x 47.5 x 28.5 mm)

Power	Output Voltage	Output Current		Model
		Nom.	Peak	
33 W	3.3 VDC	10.00 A	13.00 A	ECE60US03
50 W	5.0 VDC	10.00 A	13.00 A	ECE60US05
60 W	9.0 VDC	6.67 A	8.67 A	ECE60US09
60 W	12.0 VDC	5.00 A	6.50 A	ECE60US12
60 W	15.0 VDC	4.00 A	5.20 A	ECE60US15
60 W	24.0 VDC	2.50 A	3.25 A	ECE60US24
60 W	36.0 VDC	1.67 A	2.17 A	ECE60US36
60 W	48.0 VDC	1.25 A	1.63 A	ECE60US48
80 W	12.0 VDC	6.67 A	8.67 A	ECE80US12
80 W	15.0 VDC	5.33 A	6.93 A	ECE80US15
80 W	24.0 VDC	3.33 A	4.33 A	ECE80US24
80 W	36.0 VDC	2.22 A	2.89 A	ECE80US36
80 W	48.0 VDC	1.67 A	2.17 A	ECE80US48

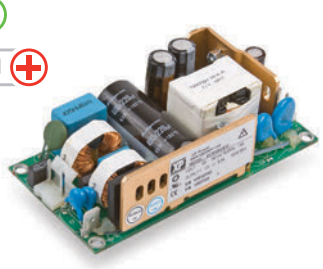
Notes:
Peak load lasting <30s with a maximum duty cycle of 10%, average output power not to exceed nominal power. A screw terminal version '-S' is available with DIN clip attached, add suffix 'D', e.g. ECE80US12-SD, DIN rail mounting kit is available as a seperate item, order code ECE60 DIN CLIP or ECE80 DIN CLIP.

ECS65-100

65-100 Watts

ITE

Medical



- 65/80W Convection-cooled
- 100W Forced-cooled
- Industry Standard 4" x 2" Footprint
- ITE & Medical (2 x MOPP) Approvals
- Class I & Class II Construction
- <0.5W No Load Input Power
- Low Leakage Current
- 3 Year Warranty

Power	Output Voltage	Output Current	Model
65 W	12.0 VDC	5.4 A	ECS65US12
65 W	15.0 VDC	4.3 A	ECS65US15
65 W	18.5 VDC	3.4 A	ECS65US18
65 W	24.0 VDC	2.7 A	ECS65US24
65 W	28.0 VDC	2.3 A	ECS65US28
65 W	48.0 VDC	1.4 A	ECS65US48

Power		Output Voltage	Output Current	Model
Conv.	Forced			
80 W	100 W	12.0 VDC	8.3 A	ECS100US12
80 W	100 W	15.0 VDC	6.7 A	ECS100US15
80 W	100 W	18.5 VDC	5.5 A	ECS100US18
80 W	100 W	24.0 VDC	4.2 A	ECS100US24
80 W	100 W	28.0 VDC	3.6 A	ECS100US28
80 W	100 W	48.0 VDC	2.1 A	ECS100US48

Dimensions:

ECS65/-B: 4.00 x 2.00 x 1.05 in (101.6 x 50.8 x 26.7 mm)
ECS100: 4.00 x 2.00 x 1.25 in (101.6 x 50.8 x 31.8 mm)
ECS100-B: 4.50 x 2.00 x 1.25 in (114.3 x 50.8 x 31.8 mm)

Notes:
For Class B radiated emissions models, add suffix -B to model number. For covered versions, add suffix '-C' to model number or order part no. ECM40/60 COVER for standalone cover. Derate output power by 20% with cover. The cover is not suitable for Class II installations. For ECS100 forced-cooled output requires 10CFM.

VCS50-100

50-100 Watts

ITE

- Chassis Mount Industrial Supplies
- Single Outputs from 5 to 48VDC
- -25 °C to +70 °C Convection-cooled
- Class B Conducted & Radiated Emissions
- Screw Terminals
- <0.5W No Load Input Power
- Low Cost

Power	Output Voltage	Output Current	Model
40 W	5.0 VDC	8.00 A	VCS50US05
50 W	12.0 VDC	4.20 A	VCS50US12
50 W	15.0 VDC	3.30 A	VCS50US15
50 W	24.0 VDC	2.10 A	VCS50US24
50 W	48.0 VDC	1.05 A	VCS50US48
50 W	5.0 VDC	10.0 A	VCS70US05
70 W	12.0 VDC	5.83 A	VCS70US12
70 W	15.0 VDC	4.67 A	VCS70US15
70 W	24.0 VDC	2.92 A	VCS70US24
70 W	48.0 VDC	1.46 A	VCS70US48
70 W	5.0 VDC	14.0 A	VCS100US05
100 W	12.0 VDC	8.33 A	VCS100US12
100 W	15.0 VDC	6.67 A	VCS100US15
100 W	24.0 VDC	4.17 A	VCS100US24
100 W	48.0 VDC	2.08 A	VCS100US48

Dimensions:

VCS50: 4.35 x 3.07 x 1.38 in (110.5 x 78.0 x 35.0 mm)
VCS70: 5.12 x 3.88 x 1.61 in (130.0 x 98.5 x 41.0 mm)
VCS100: 6.26 x 3.87 x 1.65 in (159.0 x 98.2 x 42.0 mm)

ASB110

110 Watts

ITE

- Complete AC-DC Power Supply
- AC Input Range 85 to 264VAC
- Baseplate-cooled
- No Extra Components Required
- -40 to +85 °C Baseplate Temperature
- Low Profile in Full Brick Package
- High Efficiency - up to 91%
- <0.3W No Load Input Power
- Optional Heatsink Available
- 3 Year Warranty

Power	Output Voltage	Output Current	Model
110 W	12.0 VDC	9.17 A	ASB110PS12
110 W	15.0 VDC	7.33 A	ASB110PS15
110 W	24.0 VDC	4.58 A	ASB110PS24
110 W	28.0 VDC	3.93 A	ASB110PS28
110 W	36.0 VDC	3.06 A	ASB110PS36
110 W	48.0 VDC	2.29 A	ASB110PS48

Dimensions:

ASB110: 4.6 x 2.4 x 0.67 in (116.8 x 61 x 17 mm)

Notes:
Add suffix '-HK- to receive with optional heat-sink fitted.

ECP130

130 Watts

ITE

Medical

- 100W Convection-cooled
- 130W Forced-cooled
- 3″ x 2″ Footprint
- Low 1.1″ Profile
- High Efficiency - up to 95%
- ITE & Medical (2 x MOPP) Approvals
- <0.5W No Load Input Power
- 3 Year Warranty

Power	Output Voltage	Output Current		Model
		Conv.	Forced	
130 W	12.0 VDC	8.33 A	10.83 A	ECP130PS12
130 W	15.0 VDC	6.66 A	8.66 A	ECP130PS15
130 W	18.0 VDC	5.55 A	7.22 A	ECP130PS18
130 W	24.0 VDC	4.16 A	5.41 A	ECP130PS24
130 W	28.0 VDC	3.57 A	4.64 A	ECP130PS28
130 W	36.0 VDC	2.77 A	3.61 A	ECP130PS36
130 W	48.0 VDC	2.08 A	2.70 A	ECP130PS48

Dimensions:

ECP130: 3.00 x 2.00 x 1.10 in (76.2 x 50.8 x 28.0 mm)

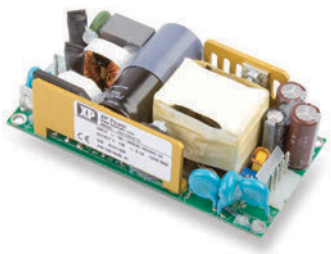
Notes:
Add suffix '-S' for input and output screw terminals e.g. ECP130PS24-S. Forced-cooled output requires 10CFM.

ECS130

130 Watts

ITE

Medical



- 100W Convection-cooled
- 130W Forced-cooled
- Industry Standard 4″ x 2″ Footprint
- ITE & Medical (2 x MOPP) Approvals
- Class I & Class II Installations
- <0.5W No Load Input Power
- Low Leakage Current
- 3 Year Warranty

Power	Output Voltage	Output Current		Model
		Conv.	Forced	
130 W	12.0 VDC	8.33 A	10.9 A	ECS130US12
130 W	15.0 VDC	6.67 A	8.7 A	ECS130US15
130 W	18.0 VDC	5.56 A	7.3 A	ECS130US18
130 W	24.0 VDC	4.16 A	5.4 A	ECS130US24
130 W	28.0 VDC	3.57 A	4.7 A	ECS130US28
130 W	48.0 VDC	2.08 A	2.7 A	ECS130US48

Dimensions:

ECS130: 4.00 x 2.00 x 1.28 in (101.6 x 50.8 x 32.5 mm)

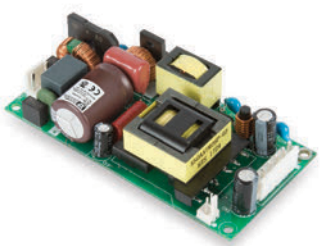
Notes:
For covered versions, add suffix '-C' to model number or order part no. ECM40/60 COVER for standalone cover, see derating curve. The cover is not suitable for Class II installations. Forced-cooled output requires 10CFM.

EPL150

150 Watts

ITE

Medical



- 100W Convection-cooled
- 150W Forced-cooled
- 4″ x 2″ Footprint
- Low 0.99″ Profile
- Class I & Class II Operation
- 12V Fan Output
- High Efficiency - up to 95%
- ITE and Medical (BF) Approvals
- 3 Year Warranty

Power	Output Voltage	Output Current		Model
		Conv.	Forced	
150 W	12.0 VDC	8.33 A	12.50 A	EPL150PS12
150 W	15.0 VDC	6.67 A	10.00 A	EPL150PS15
150 W	18.0 VDC	5.56 A	8.33 A	EPL150PS18
150 W	24.0 VDC	4.17 A	6.25 A	EPL150PS24
150 W	28.0 VDC	3.50 A	5.40 A	EPL150PS28
150 W	36.0 VDC	2.78 A	4.17 A	EPL150PS36
150 W	48.0 VDC	2.08 A	3.10 A	EPL150PS48

Dimensions:

EPL150:
4.00 x 2.00 x 0.99 in (101.6 x 50.8 x 25.1 mm)

Notes:
Forced-cooled output requires 10CFM.

ECP150

150 Watts

ITE

Medical

- 100W Convection-cooled
- 150W Forced-cooled
- Low Profile Design
- Industry Standard 4" x 2" Footprint
- ITE & Medical (2 x MOPP) Approvals
- Output Voltages from 12 to 48VDC
- <0.5W No Load Input Power
- 12V Fan Output
- 3 Year Warranty

Power	Output Voltage	Output Current		Model
		Conv.	Forced	
150 W	12.0 VDC	8.33 A	12.50 A	ECP150PS12
150 W	15.0 VDC	6.67 A	10.00 A	ECP150PS15
150 W	24.0 VDC	4.17 A	6.25 A	ECP150PS24
150 W	28.0 VDC	3.50 A	5.40 A	ECP150PS28
150 W	48.0 VDC	2.08 A	3.10 A	ECP150PS48

Dimensions:

ECP150: 4.00 x 2.00 x 1.16 in (101.6 x 50.8 x 29.5 mm)

Notes:
Forced-cooled output requires 10CFM.

RCL175

175 Watts

ITE

Medical

- 200W Peak Rating
- Up to 120W Convection-cooled
- Single, Dual, Triple & Quad Outputs
- ITE & Medical Approvals
- Class I & Class II Installations
- Connector & Mechanical Options
- 3 Year Warranty

Power		Output Voltage	Output Current	Model
Conv.	Forced			
120 W	175 W	12.0 VDC	14.5 A	RCL175PS12
120 W	175 W	15.0 VDC	11.6 A	RCL175PS15
120 W	175 W	24.0 VDC	7.2 A	RCL175PS24
120 W	175 W	28.0 VDC	6.2 A	RCL175PS28
120 W	175 W	48.0 VDC	3.6 A	RCL175PS48
110 W	175 W	5.0/12.0 VDC	15.0/8.3 A	RCL175PD22
110 W	175 W	5.0/12.0/F12 VDC	15/6.3/2 A	RCL175PT31
110 W	175 W	5.0/15.0/F15 VDC	15/4.6/2 A	RCL175PT32
90 W	175 W	5/3.3/F15/F15 VDC	15/15/2/2 A	RCL175PQ43
90 W	175 W	5/12/F5/F12 VDC	15/5.5/2/2 A	RCL175PQ44
90 W	175 W	5/15/F5/F15 VDC	15/4/2/2 A	RCL175PQ45
90 W	175 W	5/24/F12/F12 VDC	15/3.2/2/2 A	RCL175PQ46
90 W	175 W	5/24/F15/F15 VDC	15/3/2/2 A	RCL175PQ47

Dimensions:

RCL175 (Open-frame):
5.50 x 3.70 x 1.38 in (139.7 x 93.9 x 34.9 mm)
RCL175 (U-channel):
5.71 x 3.90 x 1.50 in (145.0 x 99.0 x 38.1 mm)

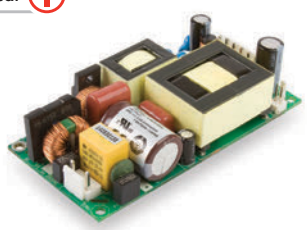
Notes:
Standard is open frame. For U-channel version, add suffix '-U'. For U-channel & cover, add suffix '-C'. For U-channel & fan cover, add suffix '-F'. For screw terminals, add suffix '-S'. Outputs 3 & 4 are floating, they can be connected externally for positive or negative output. Forced-cooled output requires 12CFM.

ECP180

180 Watts

ITE

Medical



- 120W Convection-cooled
- 180W Forced-cooled
- Low 1" Profile with 4" x 2" Footprint
- Very High Efficiency - up to 95%
- ITE & Medical (2 x MOPP) Approvals
- Class I & Class II Installations
- 12V Fan Output
- <0.5W No Load Input Power
- 3 Year Warranty

Power	Output Voltage	Output Current		Model
		Conv.	Forced	
180 W	12.0 VDC	10.00 A	15.00 A	ECP180PS12
180 W	15.0 VDC	8.00 A	12.00 A	ECP180PS15
180 W	24.0 VDC	5.00 A	7.50 A	ECP180PS24
180 W	28.0 VDC	4.30 A	6.43 A	ECP180PS28
180 W	36.0 VDC	3.33 A	5.00 A	ECP180PS36
180 W	48.0 VDC	2.50 A	3.75 A	ECP180PS48

Dimensions:

ECP180: 4.00 x 2.00 x 1.00 in (101.6 x 50.8 x 25.4 mm)

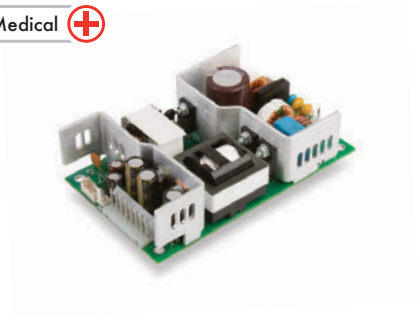
Notes:
Forced-cooled output requires 10CFM.

GCS150-180

150-180 Watts

ITE

Medical



- Convection & Forced-cooled Ratings
- ITE & Medical (2 x MOPP) Approvals
- Class I & Class II Installations
- <0.5W Standby Power
- 12V Fan Output
- -40° C to +70° C Operation
- Remote On/Off
- 3 Year Warranty

Power	Output Voltage	Output Current		Model
		Conv.	Forced	
150 W	12.0 VDC	9.2 A	12.5 A	GCS150PS12
150 W	15.0 VDC	7.3 A	10.0 A	GCS150PS15
150 W	24.0 VDC	4.6 A	6.3 A	GCS150PS24
150 W	28.0 VDC	3.9 A	5.4 A	GCS150PS28
150 W	48.0 VDC	2.3 A	3.2 A	GCS150PS48
180 W	12.0 VDC	12.5 A	15.0 A	GCS180PS12
180 W	15.0 VDC	10.0 A	12.0 A	GCS180PS15
180 W	24.0 VDC	6.3 A	7.5 A	GCS180PS24
180 W	28.0 VDC	5.4 A	6.4 A	GCS180PS28
180 W	48.0 VDC	3.1 A	3.7 A	GCS180PS48

Dimensions:

GCS150/GCS180:
5.00 x 3.00 x 1.42 in (127.0 x 76.2 x 36.3 mm)
(-C): 5.50 x 3.48 x 1.70 in (139.7 x 88.5 x 43.2 mm)
(-TF): 5.50 x 3.48 x 2.20 in (139.7 x 88.5 x 57.8 mm)
(-EF): 6.35 x 3.48 x 1.70 in (161.3 x 88.5 x 43.2 mm)

Notes:
12V/0.6A fan supply available on open frame & -C versions. For convection-cooled cover, add suffix '-C'. For fan-cooled cover with end fan, add suffix '-EF'. For fan-cooled cover with top fan, add suffix '-TF'. For remote on/off, add suffix '-R'. Forced-cooled output requires 7CFM.

UCP180

180 Watts

ITE

Medical

- 120W Convection-cooled
- 180W Forced-cooled
- Low 1.18" Profile U-channel Construction
- -40 °C to +70 °C Operation
- 4.3" x 2.5" Footprint
- 12V Fan Output
- ITE & Medical (BF) Approvals
- High Efficiency, up to 95%
- 3 Year Warranty

Power	Output Voltage	Output Current		Model
		Conv.	Forced	
180 W	12.0 VDC	10.00 A	15.00 A	UCP180PS12
180 W	15.0 VDC	8.00 A	12.00 A	UCP180PS15
180 W	18.0 VDC	6.67 A	10.00 A	UCP180PS18
180 W	24.0 VDC	5.00 A	7.50 A	UCP180PS24
180 W	28.0 VDC	4.30 A	6.43 A	UCP180PS28
180 W	36.0 VDC	3.33 A	5.00 A	UCP180PS36
180 W	48.0 VDC	2.50 A	3.75 A	UCP180PS48

Dimensions:

UCP180:
4.24 x 2.47 x 1.16 in (107.6 x 62.8 x 29.5 mm)
UCP180-C:
4.24 x 2.47 x 1.40 in (107.6 x 62.8 x 35.5 mm)

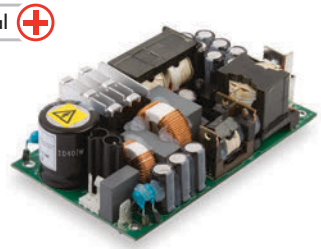
Notes:
Add suffix '-T' for input and output screw terminals, e.g. UCP180PS24-T. Add suffix '-C' for vented cover version, e.g. UCP180PS24-C. Forced-cooled output requires 10CFM.

CCB200

200 Watts

ITE

Medical



- 200W Convection-cooled
- Industry Standard 5" x 3" Footprint
- Very Low Heat Dissipation
- ITE & Medical (BF) Approvals
- +70 °C Full Power Operation
- Very High Efficiency - up to 95%
- Inhibit & Power Fail Signals
- Optional 5V/0.5A Standby (-A)
- 3 Year Warranty

Power	Output Voltage	Output Current	Model
200 W	12.0 VDC	16.7 A	CCB200PS12
200 W	15.0 VDC	13.3 A	CCB200PS15
200 W	24.0 VDC	8.3 A	CCB200PS24
200 W	28.0 VDC	7.1 A	CCB200PS28
200 W	48.0 VDC	4.2 A	CCB200PS48
200 W	56.0 VDC	3.6 A	CCB200PS56

Dimensions:

CCB200/-A: 5.00 x 3.00 x 1.43 in (127.0 x 76.2 x 36.3 mm)
CCB200/-C/-AC: 5.50 x 3.48 x 1.75 in (139.7 x 88.5 x 44.4 mm)

Notes:
For covered version add suffix '-C' to model number e.g. CCB200PS12-C Add suffix '-A' for 5V standby option, or -AC for standby and cover options combined.

ECP225-A

225 Watts

ITE

Medical

- 150W Convection-cooled
- 225W Forced-cooled
- Low 1" Profile
- High Power Density
- 5" x 3" Footprint
- 5V/2A Standby & 12V Fan Outputs
- Remote On/Off
- ITE & Medical (2 x MOPP) Approvals
- High Efficiency - up to 94%
- <0.5W No Load Input Power
- 3 Year Warranty

Dimensions:

ECP225-A: 5.00 x 3.00 x 1.00 in (127.0 x 76.2 x 25.4 mm)
ECP225: 5.00 x 2.50 x 1.00 in (127.0 x 63.5 x 25.4 mm)

Power	Output Voltage	Output Current		Model
		Conv.	Forced	
225 W	12.0 VDC	12.50 A	18.75 A	ECP225PS12-A
225 W	15.0 VDC	10.00 A	15.00 A	ECP225PS15-A
225 W	24.0 VDC	6.25 A	9.38 A	ECP225PS24-A
225 W	28.0 VDC	5.36 A	8.04 A	ECP225PS28-A
225 W	48.0 VDC	3.10 A	4.69 A	ECP225PS48-A

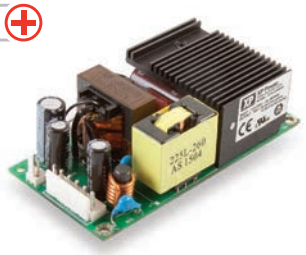
Notes:
For optional 2.5 x 5" version without 5V standby & remote on/off, remove '-A' suffix, e.g ECP225PS12. Forced-cooled output requires 10CFM.

EPL225

225 Watts

ITE

Medical



- 150W Convection-cooled
- 225W Forced-cooled
- 4" x 2" Footprint
- Low 1.26" Profile
- 12V Fan Output
- Very High Efficiency - up to 95%
- ITE & Medical (2 x MOPP) Approvals
- <0.5W No Load Input Power
- 3 Year Warranty

Dimensions:

EPL225: 4.00 x 2.00 x 1.26 in (101.6 x 50.8 x 32.3 mm)

Power	Output Voltage	Output Current		Model
		Conv.	Forced	
225 W	12.0 VDC	12.50 A	18.75 A	EPL225PS12
225 W	15.0 VDC	10.00 A	15.00 A	EPL225PS15
225 W	18.0 VDC	8.33 A	12.50 A	EPL225PS18
225 W	24.0 VDC	6.25 A	9.38 A	EPL225PS24
225 W	28.0 VDC	5.36 A	8.04 A	EPL225PS28
225 W	36.0 VDC	4.16 A	6.25 A	EPL225PS36
225 W	48.0 VDC	3.10 A	4.69 A	EPL225PS48

Notes:
Forced-cooled output requires 10CFM.

UCP225

225 Watts

ITE

Medical

- 150W Convection-cooled
- 225W Forced-cooled
- Low 1.18" Profile U-channel Construction
- -40 °C to +70 °C Operation
- 5.0" x 3.12" Footprint
- Optional 5V/2A Standby & Remote On/Off
- 12V Fan Output
- ITE & Medical (2 x MOPP) Approvals
- Very High Efficiency - up to 95%
- <0.5W No Load Input Power
- 3 Year Warranty

Dimensions:

UCP225: 5.00 x 3.12 x 1.18 in (127.0 x 79.2 x 29.2 mm)

Power	Output Voltage	Output Current		Model
		Conv.	Forced	
225 W	12.0 VDC	12.50 A	18.75 A	UCP225PS12
225 W	15.0 VDC	10.00 A	15.00 A	UCP225PS15
225 W	18.0 VDC	8.33 A	12.50 A	UCP225PS18
225 W	24.0 VDC	6.25 A	9.38 A	UCP225PS24
225 W	28.0 VDC	5.36 A	8.04 A	UCP225PS28
225 W	36.0 VDC	4.16 A	6.25 A	UCP225PS36
225 W	48.0 VDC	3.10 A	4.69 A	UCP225PS48

Notes:
Forced-cooled output requires 10CFM, excluding '-TF' versions. Add suffix '-T' for input and output screw terminals e.g. UCP225PS24-T. Add suffix '-TF' for fan cover version e.g. UCP225PS24-TF. Add suffix '-C' for vented cover version e.g. UCP225PS24-C. Add suffix -A for optional 5V, 2A standby and remote on/off e.g. UCP225PS24-A

CCM250

250 Watts

ITE

Medical

- 250W Convection-cooled
- 300W Peak Rating for 500 ms
- Very High Efficiency - up to 95%
- Class B Conducted & Radiated Emissions
- 80 - 275VAC Operation
- ITE & Medical (2 x MOPP) Approvals
- 5V/0.5A Standby Output
- 3 Year Warranty

Power	Output Voltage	Output Current		Model
		Nom.	Peak	
250 W	12.0 VDC	20.8 A	25.00 A	CCM250PS12
250 W	15.0 VDC	16.7 A	20.00 A	CCM250PS15
250 W	24.0 VDC	10.4 A	12.50 A	CCM250PS24
250 W	28.0 VDC	8.9 A	10.70 A	CCM250PS28
250 W	36.0 VDC	6.9 A	8.30 A	CCM250PS36
250 W	48.0 VDC	5.2 A	6.25 A	CCM250PS48

Dimensions:

CCM250: 6.00 x 4.00 x 1.54 in (152.4 x 101.6 x 39.1 mm)

Notes:
Peak duration is 500ms max, average power must not exceed 250W.

CHD250

250 Watts

ITE

Medical

- 250W Convection-cooled
- Industry Standard 5"x 3" Footprint
- 5V/0.5A Standby Output (Optional)
- <0.5W Standby Power
- ITE & Medical (BF) Approvals
- Power Fail & Inhibit Signals
- 80-300VAC Input
- 3 Year Warranty

Power	Output Voltage	Output Current		Model
		Nom.	Peak	
250 W	12.0 VDC	20.8 A	250 W	CHD250PS12
250 W	15.0 VDC	16.7 A	250 W	CHD250PS15
250 W	24.0 VDC	10.4 A	250 W	CHD250PS24
250 W	28.0 VDC	8.9 A	250 W	CHD250PS28
250 W	48.0 VDC	5.2 A	250 W	CHD250PS48

Dimensions:

CHD250: 5.00 x 3.00 x 1.43 in (115 x 76 x 36.3 mm)
CHD250-C : 5.50 x 3.48 x 1.75 in (139.7 x 88.5 x 44.4 mm)

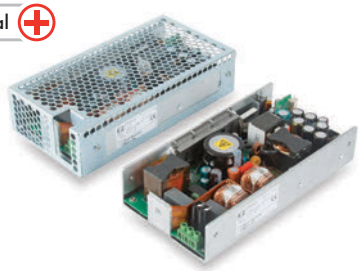
Notes:
Add suffix '-C' for cover version e.g. CHD250PS24-C (derating will be applicable). Add suffix '-A' for 5V standby option or -AC for standby and cover options combined, (derating will be applicable).

CMP250

250 Watts

ITE

Medical



- 250W Convection-cooled
- 500W Peak Power Up To 1 Minute
- ITE & Medical (BF) Approvals
- U-channel 7.5" x 4" Package
- Constant Current Overload Protection
- 5V/1.5A Standby & Signals Set
- 3 Year Warranty

Power	Output Voltage	Output Current		Model
		Nom.	Peak	
250 W	24.0 VDC	10.4 A	20.8 A	CMP250PS24
250 W	36.0 VDC	6.9 A	13.8 A	CMP250PS36
250 W	48.0 VDC	5.2 A	10.4 A	CMP250PS48

Dimensions:

CMP250: 7.50 x 4.00 x 1.57 in (190.5 x 101.6 x 39.9 mm)
CMP250-C: 7.89 x 4.12 x 1.92 in (200.5 x 104.6 x 48.8 mm)

Notes:
Add suffix '-C' for covered version, e.g. CMP250PS24-C (20% derating applies). Peak current/power available for up to 1 minute. Average power must not exceed 225W, other peak and average load conditions can be accommodated, limited by the thermal considerations and average power rating. Peak power and average power derate below 90VAC.

GCS265

265 Watts

ITE

Medical

- 180W Convection-cooled
- 265W Forced-cooled
- 5V/3A Standby Output
- ITE & Medical (2 x MOPP) Approvals
- Class I & Class II Installations
- -40° C to +70° C Operation
- Power Fail & Remote On/Off
- 3 Year Warranty

Power	Output Voltage	Output Current		Model
		Conv.	Forced	
265 W	12.0 VDC	15.0 A	20.8 A	GCS265PS12
265 W	15.0 VDC	12.0 A	16.7 A	GCS265PS15
265 W	24.0 VDC	7.5 A	10.4 A	GCS265PS24
265 W	28.0 VDC	6.4 A	8.9 A	GCS265PS28
265 W	48.0 VDC	3.7 A	5.2 A	GCS265PS48

Dimensions:

GCS265: 5.00 x 3.50 x 1.43 in (127.0 x 88.8 x 36.3 mm)
GCS265-C: 5.50 x 4.01 x 1.72 in (139.7 x 101.8 x 43.7 mm)

Notes:
To order power supply with optional cover fitted add suffix '-C' to model number, e.g. GCS265PS24-C. To order power supply with optional Top Fan Cover fitted add suffix '-TF' to model number, e.g. GCS265PS24-TF To order power supply with optional End Fan Cover fitted add suffix '-EF' to model number, e.g. GCS265PS24-EF. Forced-cooled output requires 7CFM.

GCS250-350

250-350 Watts

ITE

Medical

- Convection-cooled & Forced-cooled Ratings
- Industry Standard 5" x 3" Footprint
- ITE & Medical (2 x MOPP) Approvals
- Class I & Class II Installations
- -40° C to +70° C Operation
- Remote On/Off
- Class B Emissions
- 3 Year Warranty

Power	Output Voltage	Output Current		Model
		Conv.	Forced	
250 W	12.0 VDC	15.0 A	18.8 A	GCS250PS12
250 W	15.0 VDC	12.0 A	15.0 A	GCS250PS15
250 W	24.0 VDC	7.5 A	10.4 A	GCS250PS24
250 W	28.0 VDC	6.4 A	8.9 A	GCS250PS28
225 W	48.0 VDC	3.7 A	5.2 A	GCS250PS48
250 W	56.0 VDC	3.2 A	4.5 A	GCS250PS56
350 W	12.0 VDC	16.7 A	29.2 A	GCS350PS12
350 W	15.0 VDC	13.3 A	23.4 A	GCS350PS15
350 W	24.0 VDC	8.3 A	14.6 A	GCS350PS24
350 W	28.0 VDC	7.1 A	12.5 A	GCS350PS28
350 W	48.0 VDC	4.2 A	7.3 A	GCS350PS48
350 W	56.0 VDC	3.6 A	6.25 A	GCS350PS56

Dimensions:

GCS250/350: 5.00 x 3.00 x 1.42 in (127.0 x 76.2 x 36.3 mm)
(-C): 5.50 x 3.48 x 1.70 in (139.7 x 88.5 x 43.2 mm)
(-TF): 5.50 x 3.48 x 2.20 in (139.7 x 88.5 x 57.8 mm)
(-EF): 6.35 x 3.48 x 1.70 in (161.3 x 88.5 x 43.2 mm)
(350-EF): 6.00 x 3.50 x 1.75 in (152.4 x 88.9 x 44.4 mm)

Notes:
Add suffix '-C' for convection cooled cover, e.g. Add suffix '-EF' for fan cooled cover with end fan. Add suffix '-TF' for fan cooled cover with top fan. Add suffix -R for remote on/off. Add suffix '-J' for optional dual row molex connector. Add suffix '-S' for optional screw terminals. Forced-cooled output requires 7CFM for 250W and 15CFM for 350W.

SMP350

350 Watts

ITE

Medical

- Rugged Construction
- -40 °C to +70 °C Operation
- Screw Terminal Connections
- High Efficiency
- Remote On/Off
- Low Leakage Current <300 µA Optional
- Class B Emissions
- 3 Year Warranty

Power Lo/Hi Line	Output Voltage	Output Current Lo/Hi Line	Model
300/300 W	12.0 VDC	25.00/25.00 A	SMP350PS12
310/330 W	15.0 VDC	20.70/22.00 A	SMP350PS15
320/350 W	18.0 VDC	17.80/19.40 A	SMP350PS18
330/350 W	24.0 VDC	13.75/14.60 A	SMP350PS24
330/350 W	28.0 VDC	11.80/12.50 A	SMP350PS28
330/350 W	36.0 VDC	9.70/ 9.70 A	SMP350PS36
330/350 W	48.0 VDC	7.30/ 7.30 A	SMP350PS48

Dimensions:

SMP350: 7.0 x 3.6 x 1.7 in (177.8 x 91.4 x 43.1 mm)

Notes:
For reduced leakage current medical versions (<300µA) contact sales.

CCL400

400 Watts

ITE

Medical

- 400W Convection-cooled
- 94% Efficiency
- 5V/0.5A Standby Output
- <1W Standby Power
- ITE & Medical Approvals
- Power Fail & Inhibit Signals
- Conduction Cooling For High Temp. Operation
- 70 °C Full Power Operation
- 3 Year Warranty

Power	Output Voltage	Output Current	Model
400 W	12.0 VDC	33.3 A	CCL400PS12
400 W	24.0 VDC	16.6 A	CCL400PS24
400 W	30.0 VDC	13.3 A	CCL400PS30
400 W	48.0 VDC	8.3 A	CCL400PS48

Dimensions:

CCL400: 7.00 x 3.95 x 1.57 in (178 x 100 x 40 mm)
CCL400-C: 7.39 x 4.04 x 1.92 in (189.9 x 107.3 x 48.9 mm)

Notes:
Add suffix '-C' for cover version e.g. CCL400PS24-C. Add suffix '-S' for a right angled input screw terminal connector e.g. CCL400PS24-S or CCL400PS24-CS.

FCM400

400 Watts

ITE

Medical

- 400W Continuous, 600W Peak
- ITE & Medical Approvals
- 80 - 275VAC Operation
- Low Noise Fan
- Screw Terminals
- 5V/0.5A Standby Output, AC OK
- Remote On/Off
- 3 Year Warranty

Power	Output Voltage	Output Current		Model
		Nom.	Peak	
400 W	12.0 VDC	33.3 A	50.0 A	FCM400PS12
400 W	15.0 VDC	26.6 A	40.0 A	FCM400PS15
400 W	24.0 VDC	16.6 A	25.0 A	FCM400PS24
400 W	28.0 VDC	14.2 A	21.4 A	FCM400PS28
400 W	36.0 VDC	11.1 A	16.7 A	FCM400PS36
400 W	48.0 VDC	8.3 A	12.5 A	FCM400PS48

Dimensions:

FCM400: 6.00 x 4.00 x 1.93 in (152.4 x 101.6 x 49.0 mm)

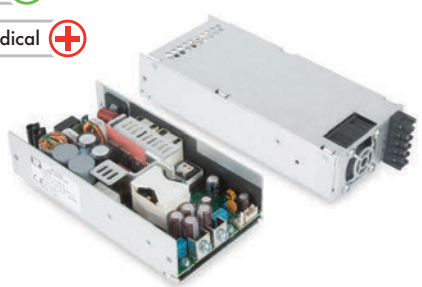
Notes:
Peak Output Power - The peak duration is 500ms maximum, average power must not exceed 400W.

GCU500

500 Watts

ITE

Medical



- 250W Convection-cooled
- 500W Forced-cooled
- 5 V/0.2A Standby Output
- ITE & Medical (2 x MOPP) Approvals
- -40° C to +70° C Operation
- Power Fail & Remote On/Off
- Optional End Fan Version
- 3 Year Warranty

Power	Output Voltage	Output Current		Model
		Conv.	Forced	
500 W	12.0 VDC	20.8 A	41.7 A	GCU500PS12
500 W	15.0 VDC	16.7 A	33.4 A	GCU500PS15
500 W	18.0 VDC	12.5 A	27.8 A	GCU500PS18
500 W	24.0 VDC	10.4 A	20.8 A	GCU500PS24
500 W	36.0 VDC	6.9 A	13.9 A	GCU500PS36
500 W	48.0 VDC	5.2 A	10.4 A	GCU500PS48

Dimensions:

GCU500: 6.50 x 3.30 x 1.55 in (165.1 x 83.8 x 39.3 mm)
GCU500-EF: 8.24 x 3.30 x 1.64 in (209.3 x 83.8 x 41.7 mm)

Notes:
Forced-cooled output requires 10CFM. For end fan version add suffix '-EF' to model number.

GSP500

500 Watts

ITE

Medical

- Convection-cooled & Forced-cooled Ratings
- Compact Size
- Universal 80 to 264VAC Input
- ITE & Medical (2 x MOPP) Approvals
- < 0.5W No Load Input Power
- -40° C to +70° C Operation
- Remote On/Off & Remote Sense
- 5V/2A Standby Output
- 3 Year Warranty

Power	Output Voltage	Output Current		Model
		Conv.	Forced	
500 W	12.0 VDC	15.00 A	42.0 A	GSP500PS12-EF
500 W	24.0 VDC	7.50 A	21.0 A	GSP500PS24-EF
500 W	48.0 VDC	3.75 A	10.5 A	GSP500PS48-EF

Dimensions:

GSP500: 6.71 x 4.00 x 1.65 in (170.4 x 101.6 x 41.91 mm)

Notes:
Remove suffix '-EF' (End Fan) for use with integral system cooling (12CFM). Peak power available for 100ms maximum with a 10% duty cycle. The average power in a period should be equal or less than the normal power. For optional current share version, add suffix 'P', e.g. GSP500PS24P or GSP500PS24P-EF

LCL150-500

150-500 Watts

ITE

- Single Output Industrial Supplies
- High Efficiency
- Low Cost
- 150W Convection-cooled
- 300W & 500W with Internal Fans
- Screw Terminal Connections
- Outputs from 12V to 48V
- 3 Year Warranty

Power	Output Voltage	Output Current	Model
150 W	12.0 VDC	12.5 A	LCL150PS12
150 W	13.5 VDC	11.1 A	LCL150PS13
150 W	15.0 VDC	10.0 A	LCL150PS15
150 W	24.0 VDC	6.3 A	LCL150PS24
150 W	27.0 VDC	5.6 A	LCL150PS27
150 W	48.0 VDC	3.1 A	LCL150PS48
300 W	12.0 VDC	25.0 A	LCL300PS12
300 W	13.5 VDC	22.0 A	LCL300PS13
300 W	15.0 VDC	20.0 A	LCL300PS15
310 W	24.0 VDC	13.0 A	LCL300PS24
315 W	27.0 VDC	11.7 A	LCL300PS27
320 W	48.0 VDC	6.70 A	LCL300PS48
500 W	12.0 VDC	42.0 A	LCL500PS12
500 W	13.5 VDC	37.0 A	LCL500PS13
500 W	15.0 VDC	34.0 A	LCL500PS15
500 W	24.0 VDC	21.0 A	LCL500PS24
500 W	27.0 VDC	18.5 A	LCL500PS27
500 W	48.0 VDC	10.5 A	LCL500PS48

Dimensions:

LCL150: 7.55 x 3.74 x 1.97 in (192.0 x 95.0 x 50.0 mm)
LCL300: 8.07 x 4.33 x 1.97 in (205.0 x 110.0 x 50.0 mm)
LCL500: 9.84 x 5.00 x 2.08 in (250.0 x 127.0 x 53.0 mm)

Notes:
Output power derates linearly from 100% at 90VAC to 90% at 85VAC.

CCH400-600

400/600 Watts

ITE

- Baseplate-cooled
- High Efficiency
- -40 °C to +85 °C Operation
- Industrial & MIL-STD461E EMC Compliance
- Power Fail & Inhibit
- Overtemperature Protection & Current Share
- 5V/0.5A Standby Output
- 3 Year Warranty

Power	Output Voltage	Output Current	Model
411 W	12.0 VDC	34.0 A	CCH400PS12
411 W	24.0 VDC	17.0 A	CCH400PS24
409 W	28.0 VDC	14.5 A	CCH400PS28
411 W	48.0 VDC	8.5 A	CCH400PS48
603 W	12.0 VDC	50.0 A	CCH600PS12
603 W	24.0 VDC	25.0 A	CCH600PS24
605 W	28.0 VDC	21.5 A	CCH600PS28
603 W	48.0 VDC	12.5 A	CCH600PS48

Dimensions:

CCH400/600: 8.43 x 4.02 x 1.69 in (214.0 x 102.0 x 43.0 mm)

HHP650

650 Watts

ITE

- 1000W Peak Power Rating
- 85 to 305VAC Input
- MIL-STD-810F Shock & Vibration
- -40 °C to +70 °C Operation
- SEMI F47 Compliant
- 6kV Surge Rating - IEEE Std. C62.41
- UL508, ANSI/ISA 12.12.01 Class I, Div II
- Conformal Coating
- 3 Year Warranty

Power		Output Voltage	Output Current	Model
Nominal	Peak			
607 W		12.0 VDC	50.0 A	HHP650PS12
607 W		15.0 VDC	40.0 A	HHP650PS15
780 W	1000 W	24.0 VDC	32.5 A	HHP650PS24
780 W	1000 W	28.0 VDC	27.9 A	HHP650PS28
780 W	1000 W	24.0 VDC	21.7 A	HHP650PS36
780 W	1000 W	48.0 VDC	16.3 A	HHP650PS48

Dimensions:

HHP650: 9.99 x 4.20 x 2.50 in (253.8 x 106.8 x 63.5 mm)

Notes:
Peak Power available for 10 seconds maximum with a 35% duty cycle. The average power in a period should be equal or less than the nominal power.

GSP750

750 Watts

ITE

Medical

- 900W Peak Power Rating
- Universal 80 to 264VAC Input
- ITE & Medical (2 x MOPP) Approvals
- 1W Standby Power
- -40° C to +70° C Operation
- Remote On/Off, Remote Sense & Current Share
- Intelligent Fan Speed Control
- 5V/3A Standby Output
- Power Fail
- 3 Year Warranty

Power		Output Voltage	Output Current	Model
Nominal	Peak			
750 W	900 W	12.0 VDC	62.5 A	GSP750PS12-EF
750 W	900 W	24.0 VDC	31.3 A	GSP750PS24-EF
750 W	900 W	48.0 VDC	15.6 A	GSP750PS48-EF

Dimensions:

GSP750: 10.0 x 4.0 x 1.65 in (254.0 x 101.6 x 41.91 mm)

Notes:
Peak power available for 100ms maximum with a 10% duty cycle. The average power in a period should be equal to or less than the nominal power.

MHP650-1000

650-1200 Watts

Medical

- Medical (2 x MOPP) Approvals
- Variable Fan Speed for Noise Reduction
- -20 °C to +70 °C Operation
- AC OK
- Remote On/Off
- Active Current Share
- 5V/0.2A Standby Output
- 3 Year Warranty

Power	Output Voltage	Output Current	Model
607 W	12.0 VDC	50.0 A	MHP650PS12-EF
607 W	15.0 VDC	40.0 A	MHP650PS15-EF
655 W	18.5 VDC	27.0 A	MHP650PS24-EF
655 W	24.0 VDC	23.0 A	MHP650PS28-EF
655 W	28.0 VDC	18.0 A	MHP650PS36-EF
655 W	48.0 VDC	13.5 A	MHP650PS48-EF

Power Lo/Hi Line	Output Voltage	Iout Low/High Line	Model
1000 W	12.0 VDC	83.0 A	MHP1000PS12
1010 W	15.0 VDC	67.0 A	MHP1000PS15
1013/1200 W	18.0 VDC	42.0/50.0 A	MHP1000PS24
1013/1200 W	24.0 VDC	36.0/43.0 A	MHP1000PS28
1013/1200 W	28.0 VDC	28.0/34.0 A	MHP1000PS36
1013/1200 W	36.0 VDC	21.0/25.0 A	MHP1000PS48

Dimensions:

MHP650-EF: 9.18 x 4.00 x 2.50 in (233.2 x 101.6 x 63.5 mm)
MHP650-TF: 8.00 x 4.00 x 2.58 in (203.2 x 101.6 x 65.5 mm)
MHP1000: 9.55 x 5.90 x 2.40 in (242.6 x 149.8 x 61.0 mm)

Notes:
MHP650: For top fan version replace '-EF' in model number with '-TF'. For U-channel version remove suffix. U-channel models require a minimum of 5.5 m/s airflow from the system.

SHP350-1000

350-1200 Watts

ITE

- Rugged Construction
- Variable Fan Speed for Noise Reduction
- -40 °C to +70 °C Operation
- AC OK & Remote On/Off
- Active Current Share
- 5V/0.2A Standby
- Screw Terminals
- 3 Year Warranty

Power Cont.	Power Peak	Output Voltage	Output Current	Model
318 W		12.0 VDC	26.5 A	SHP350PS12
330 W		15.0 VDC	22.0 A	SHP350PS15
348 W	417 W	24.0 VDC	14.5 A	SHP350PS24
350 W	420 W	28.0 VDC	12.5 A	SHP350PS28
350 W	420 W	36.0 VDC	9.7 A	SHP350PS36
350 W	420 W	48.0 VDC	7.3 A	SHP350PS48

Power	Output Voltage	Output Current	Model
607 W	12.0 VDC	50.0 A	SHP650PS12-EF
607 W	15.0 VDC	40.0 A	SHP650PS15-EF
655 W	24.0 VDC	27.0 A	SHP650PS24-EF
655 W	28.0 VDC	23.0 A	SHP650PS28-EF
655 W	36.0 VDC	18.0 A	SHP650PS36-EF
655 W	48.0 VDC	13.5 A	SHP650PS48-EF

Power Low/High Line	Output Voltage	Iout Lo/Hi Line	Model
1000 W	12.0 VDC	83.0 A	SHP1000PS12
1010 W	15.0 VDC	67.0 A	SHP1000PS15
1013/1200 W	24.0 VDC	42.0/50.0 A	SHP1000PS24
1013/1200 W	28.0 VDC	36.0 /43.0 A	SHP1000PS28
1013/1200 W	36.0 VDC	28.0/34.0 A	SHP1000PS36
1013/1200 W	48.0 VDC	21.0/25.0 A	SHP1000PS48

Dimensions:

SHP350: 7.06 x 3.60 x 2.10 in (179.3 x 101.6 x 53.3 mm)
SHP650-EF: 9.18 x 4.00 x 2.50 in (233.2 x 101.6 x 63.5 mm)
SHP650-TF: 8.00 x 4.00 x 2.58 in (203.2 x 101.6 x 65.5 mm)
SHP1000: 9.55 x 5.90 x 2.40 in (242.6 x 149.8 x 61.0 mm)

Notes:
Replace suffix '-EF- with '-TF' for top fan (650W). Peak power available for 10s with 35% duty cycle (350W). U-channel version available (650W). 5V standby 0.2 A (350 & 650W, 1.0A (1000W).

GFR1K5

1500 Watts

ITE

- 1U Blind-Mate, Hotswap, Redundant
- I²C Interface
- 56V Power Over Ethernet Compatible
- 5V/1A Standby Output
- Progam, Monitor
- AC OK & DC OK
- Inhibit, Enable
- Current Share
- Up to 6kW in 1U (Rack Available)
- 3 Year Warranty

Power	Output Voltage	Iout Lo/Hi Line	Model
1200 W	12.0 VDC	100.0 A	GFR1K5PS12
1500 W	24.0 VDC	53.0/63.0 A	GFR1K5PS24
1500 W	48.0 VDC	25.0/31.0 A	GFR1K5PS48
1500 W	56.0 VDC	22.0/27.0 A	GFR1K5PS56

Dimensions:

GFR1K5: 11.80 x 4.00 x 1.70 in (299.7 x 101.6 x 43.3 mm)

Notes:
A standard 1U 19" Rack is available which has space for 4 GFR's (6 kW) along with I/O connections for power, signals & control. The standard rack is easily customized to suit customer specific requirements. Consult sales for full information.

HPD1K5

1500 Watts

ITE

- Low Profile for 1U Applications
- Wide Range Adjustable Output, 0 - 29VDC
- Variable Fan Speed To Reduce Noise
- -20 °C to +70 °C Operation
- AC OK, Inhibit & 5V/1A Standby Output
- Remote Sense
- Current Share
- Fault Signals & Overtemperature Signals
- SEMI F47 Compliant
- 3 Year Warranty

Power	Output Voltage	Output Current	Model
1500 W	0-29 VDC	62.5 A	HPD1K5PS24

Dimensions:

HPD1K5: 12.75 x 4.00 x 1.70 in (323.9 x 101.6 x 43.2 mm)

Notes:
Power limited to 1500W or 62.5A.

HPU1K5

1500 Watts

ITE

Medical

- Low Profile for 1U Applications
- Medical Safety Approvals (-M Versions)
- Variable Fan Speed To Reduce Noise
- -20 °C to +70 °C Operation
- AC OK & DC OK
- Inhibit & 5V/0.2A Standby Output
- Remote Sense
- Current Share
- Fault & Overtemperature Signals
- SEMI F47 Compliant
- 3 Year Warranty

Power	Output Voltage	Iout Low/High Line	Model
1200 W	12.0 VDC	100.0 A	HPU1K5PS12
1500 W	24.0 VDC	50.0/63.0 A	HPU1K5PS24
1500 W	48.0 VDC	25.0/31.0 A	HPU1K5PS48

Dimensions:

HPU1K5: 14.40 x 4.00 x 1.70 in (365.8 x 101.6 x 43.2 mm) including connector

Notes:
For medical version, add suffix '-M' to model number.

HDS800-3000

800-3000 Watts

ITE

- High Efficiency - up to 92%
- High Power Density
- Programmable Output Voltage (0-105%)
- Programmable Output Current (0-105%)
- I²C Interface
- Parallel Operation
- 5V/0.5A or 9V/0.3A Standby Output
- Fully Featured Signals & Controls
- 3 Year Warranty

Dimensions:

HDS800: 9.80 x 5.00 x 1.61 in (249.0 x 127.0 x 40.9 mm)
HDS1500: 12.32 x 2.50 x 5.00 in (294.5 x 63.5 x 127 mm)
HDS3000: 14.41 x 5.00 x 5.00 in (366 x 127 x 127 mm)

Power	Output Voltage	Output Current	Model
800 W	12.0 VDC	66.7 A	HDS800PS12
800 W	15.0 VDC	53.4 A	HDS800PS15
800 W	24.0 VDC	33.5 A	HDS800PS24
800 W	30.0 VDC	26.7 A	HDS800PS30
800 W	36.0 VDC	22.3 A	HDS800PS36
800 W	48.0 VDC	16.7 A	HDS800PS48
800 W	60.0 VDC	13.4 A	HDS800PS60

Power	Output Voltage	Output Current	Model
1500 W	12.0 VDC	125.0 A	HDS1500PS12
1500 W	15.0 VDC	100.0 A	HDS1500PS15
1500 W	24.0 VDC	62.5 A	HDS1500PS24
1500 W	30.0 VDC	50.0 A	HDS1500PS30
1500 W	36.0 VDC	41.7 A	HDS1500PS36
1500 W	48.0 VDC	31.3 A	HDS1500PS48
1500 W	60.0 VDC	25.0 A	HDS1500PS60

Power	Output Voltage	Output Current	Model
3000 W	12.0 VDC	250.0 A	HDS3000PS12
3000 W	15.0 VDC	200.0 A	HDS3000PS15
3000 W	24.0 VDC	125.0 A	HDS3000PS24
3000 W	30.0 VDC	100.0 A	HDS3000PS30
3000 W	36.0 VDC	83.5 A	HDS3000PS36
3000 W	48.0 VDC	62.5 A	HDS3000PS48
3000 W	60.0 VDC	50.0 A	HDS3000PS60

HDL3000

3000 Watts

ITE

- High Efficiency - up to 93%
- High Power Density
- Programmable Output Voltage (0-105%)
- Programmable Output Current (0-105%)
- I²C Interface
- Parallel Operation
- 5V/0.5A or 9V/0.3A Standby Output
- Fully Featured Signals & Controls
- 3 Year Warranty

Power Low/High Line	Output Voltage	Iout Low/High Line	Model
1600/2400 W	12.0 VDC	166.6/200.0 A	HDL3000PS12
1600/2400 W	15.0 VDC	133.3/160.0 A	HDL3000PS15
2000/3000 W	24.0 VDC	83.3/125.0 A	HDL3000PS24
2000/3000 W	30.0 VDC	66.6/100.0 A	HDL3000PS30
2000/3000 W	36.0 VDC	55.5/83.5 A	HDL3000PS36
2000/3000 W	48.0 VDC	41.6/62.5 A	HDL3000PS48
2000/3000 W	60.0 VDC	33.3/50.0 A	HDL3000PS60

Dimensions:

HDL3000: 12.48 x 6.69 x 2.50 in (319.0 x 170.0 x 63.5 mm) including connectors

HPD4K5

4500 Watts

ITE

- 3 Phase 180 to 264VAC Input
- High Efficiency - up to 91%
- Programmable Output Voltage
- <40ms Slew Rate
- 5V/1A Standby Output
- Fully Featured Signals & Controls
- Intelligent Fan Speed Control
- I^2C Interface
- SEMI F47 Compliant
- 3 Year Warranty

Power	Output Voltage Min/Max	Iout Min/Max	Model
4500 W	5.0/25.0 VDC	0.0/188.0 A	HPD4K5TS025
4500 W	10.0/50.0 VDC	0.0/94.0 A	HPD4K5TS050
4500 W	7.5/75.0 VDC	0.0/62.5 A	HPD4K5TS075
4500 W	15.0/150.0 VDC	0.0/31.5 A	HPD4K5TS150

Dimensions:

HPD4K5: 15.0 x 4.25 x 6.5 in (381.0 x 107.95 x 165.1 mm)

HPT5K0

5000 Watts

ITE

Medical

- 3 Phase 180 to 528VAC Input
- High Efficiency - up to 94%
- Programmable Output Voltage (0-105%)
- Programmable Output Current (0-110%)
- <40ms Slew Rate
- Analog & Digital Interfaces
- Multiple Digital Protocols
- Fully Featured Signal & Controls
- Parallel Operation
- Graphical User Interface (GUI)
- 3 Year Warranty

Power	Output Voltage Min/Max	Output Current Min/Max	Model
5000 W	0.0/63.0 VDC	0.0/83.3 A	HPT5K0TS060
5000 W	0.0/105.0 VDC	0.0/50.0 A	HPT5K0TS100
5000 W	0.0/210.0 VDC	0.0/25.0 A	HPT5K0TS200

Dimensions:

HPT5K0: 13.0 x 5.00 x 5.00 in (330.2 x 127.0 x 127.0 mm)

Notes:
Standard models include PMBus, CANopen and RS485 interfaces. To replace RS485 with RS232 add suffix '-S'. To replace RS485 with UART add suffix '-U'. For medical applications with 4000VAC isolation test add suffix '-M'. Installation Class 3 surge only. Derate to 3kW for 180-264VAC input.

XP Power

nanofleX

1200 Watts

ITE

Medical

- Configurable Power Supply
- Low Profile for 1U Applications
- 850/1200W at Low/High Line
- I²C Interface
- User Adjustable Voltage, Current & Signal Levels
- Graphical User Interface (GUI)
- Output Voltages from 3.3 to 60V
- ITE & Medical (2 x MOPP) Approvals
- Module Power up to 300W
- Parallel Options for Increased Versatility
- Optional Reverse Air Flow with No Derating
- Fully Featured Signals & Controls
- 3 Year Warranty

Dimensions:

nanoflex:
N12: 11.50 x 4.20 x 1.67 in (292.1 x 106.7 x 42.2 mm)

N	1	2	-					-					

1	2	3	4
Slot			

Front End Designation			
Model	115 V	230 V	Slots
N12	850 W	1200 W	4

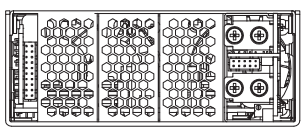
Code	Slot 4	Slot 3	Slot 2	Slot 1
12			—	—
13		—	—	—
14	—	—	—	—
22	—		—	

Modules are populated from the right, when unit is viewed from the DC module end. The modules are configured such that an output requiring the highest number of paralleled modules would go first, then the next highest and so on. Once this sequence is complete or if two outputs use paralleled modules then modules are configured lowest to highest voltage again from the right when the unit is viewed from the DC module end.

Module Designation				
Voltage	Current	Power	Slots	Code
3.3 VDC	40.00 A	132 W	1	A
Blank Plate			1	B
5.0 VDC	40.00 A	200 W	1	C
5.2 VDC	38.50 A	200 W	1	D
5.5 VDC	36.40 A	200 W	1	E
8.0 VDC	20.80 A	166 W	1	F
10.0 VDC	20.80 A	208 W	1	G
12.0 VDC	20.80 A	250 W	1	H
14.0 VDC	17.90 A	250 W	1	I
15.0 VDC	16.70 A	250 W	1	J
18.0 VDC	12.50 A	225 W	1	K
20.0 VDC	12.50 A	250 W	1	L
24.0 VDC	12.50 A	300 W	1	M
28.0 VDC	10.70 A	300 W	1	N
30.0 VDC	10.00 A	300 W	1	O
33.0 VDC	9.09 A	300 W	1	P
36.0 VDC	8.33 A	300 W	1	Q
48.0 VDC	6.25 A	300 W	1	R
54.0 VDC	5.56 A	300 W	1	S
60.0 VDC	5.00 A	300 W	1	T

Parallel Option Codes	
Code	Description
00	No parallel required
12	Parallel module 1 & 2 from right
13	Parallel modules 1 to 3 from right
14	Parallel modules 1 to 4 from right
22	Parallel module 1 & 2, 3 & 4

DC Module End



Slot 4 3 2 1

Option Codes	
Code	Description
A00	No options
A01	Fan fail signal
A02	Reverse air
A03	Faston O/P connections
A04	IEC inlet

Combined Option Codes	
Code	Description
C01	A01-02
C02	A01 & 03
C03	A01 & 04
C04	A01-03
C05	A01-02 & 04
C06	A01-04
C07	A02-03
C08	A02 & 04
C09	A02-04
C10	A03-04
C11	A01 & A03 & A04

Examples

1. 5V at 80A, 12V at 12A with no options: N12-CCHB-12A00

N	1	2	-	C	C	H	B	-	1	2	A	0	0

2. 24V at 10A, 48V at 18A with optional IEC Inlet: N12-RRRM-13A04

N	1	2	-	R	R	R	M	-	1	3	A	0	4

fleXPower

400-2500 Watts

ITE

Medical

- Configurable For Fast Time To Market
- Flexible Series & Parallel Capability
- 3 Phase Input Versions
- ITE & Medical (2 x MOPP) Approvals
- -20 °C to +70 °C Operation
- Variable Speed Fans (Optional)
- 1-14 Outputs
- Fully Featured Signals and Controls
- 3 Year Warranty

Dimensions:

fleXPower:
X4/XM4/X5/XM5/X7/XM7:
10.00 x 5.00 x 2.50 in (254.0 x 127.0 x 63.5 mm)
X9/XM9:
10.00 x 6.00 x 2.50 in (254.0 x 152.4 x 63.5 mm)
X10/XM10:
10.00 x 7.00 x 2.50 in (254.0 x 177.8 x 63.5 mm)
X15/XM15:
11.0 x 5.00 x 5.00 in (279.4 x 127.0 x 127.0 mm)
XTL15/XT16 (3 Phase):
11.00 x 7.00 x 2.50 in (279.4 x 177.8 x 63.5 mm)
XTL30 (3 Phase):
12.50 x 5.00 x 5.00 in (317.5 x 127.0 x 127.0 mm)
X4DD/XM4DD/X5DD/XM5DD/X7DD/XM7DD:
10.00 x 5.20 x 5.00 in (254.0 x 132.1 x 127.0 mm)
X9DD/XM9DD:
10.00 x 6.20 x 5.00 in (254.0 x 157.5 x 127.0 mm)
X10DD/XM10DD:
10.00 x 7.00 x 5.00 in (254.0 x 177.8 x 127.0mm)

Chassis Ratings						
Model	Sector	V input				Slots
		115 V		230 V		
		Pnom	Ppk[1]	Pnom	Ppk[1]	
X4	Industrial	400 W	800 W	600 W	1200 W	10
XM4	Medical	400 W	800 W	600 W	1200 W	10
X5	Industrial	500 W	800 W	700 W	1200 W	10
XM5	Medical	500 W	800 W	700 W	1200 W	10
X7	Industrial	700 W	800 W	900 W	1200 W	10
XM7	Medical	700 W	800 W	900 W	1200 W	10
X9	Industrial	900 W	1100 W	1100 W	1500 W	12
XM9	Medical	900 W	1100 W	1100 W	1500 W	12
X10	Industrial	1000 W	1300 W	1200 W	1600 W	14
XM10	Medical	1000 W	1300 W	1200 W	1600 W	14
X15	Industrial	1500 W	1500 W	2500 W	2500 W	20
XM15	Medical	1500 W	1500 W	2500 W	2500 W	20
XTL15	Industrial	1500 W	1500 W			14
XT16	Industrial	1600 W	1600 W	2500 W	2500 W	14
XTL30	Industrial	3000 W	3000 W			20

Chassis Ratings						
Model	Sector	3 Phase V input				Slots
		208 V		400/480 V		
		Pnom	Ppk[1]	Pnom	Ppk[1]	
XTL15	Industrial	1500 W	1500 W			14
XT16	Industrial			1600 W	1600 W	14
XTL30	Industrial	3000 W	3000 W			20

Notes:
1. Peak power available for 10 seconds with 35% duty cycle.
2. Chassis includes 5V/1A standby supply, global inhibit, global DC OK & global AC OK.
3. For operation above +50 °C derate linearly to 50% load at 70 °C.

Configuration

To configure your fleXPower unit, select the required output power and application type, then add up to seven modules (ten modules for X15, XM15 & XTL30) that meet your output requirements. Please see the fleXPower datasheet at www.xppower.com to assist in your model number construction and further details of series and parallel options and signals.

Single Output - Module Voltage/Current Rating						
Voltage	Current	Ipk	Power	Ppk	Slots	Code
3.3 VDC	20.0 A	n/a	66 W	n/a	2	1C
3.3 VDC	40.0 A	n/a	132 W	n/a	2	2C
3.3 VDC	60.0 A	n/a	198 W	n/a	3	3C
5.0 VDC	20.0 A	n/a	100 W	n/a	2	1D
5.0 VDC	40.0 A	n/a	200 W	n/a	2	2D
5.0 VDC	60.0 A	n/a	300 W	n/a	3	3D
12.0 VDC	8.50 A	n/a	102 W	n/a	2	1J
12.0 VDC	17.0 A	n/a	204 W	n/a	2	2J
12.0 VDC	25.0 A	n/a	300 W	n/a	3	3J
12.0 VDC	62.5 A	n/a	750 W	n/a	4	4J
15.0 VDC	7.00 A	n/a	105 W	n/a	2	1L
15.0 VDC	14.0 A	n/a	210 W	n/a	2	2L
15.0 VDC	20.0 A	n/a	300 W	n/a	3	3L
15.0 VDC	50.0 A	n/a	750 W	n/a	4	4L
24.0 VDC	5.00 A	n/a	120 W	n/a	2	1P
24.0 VDC	10.5 A	n/a	252 W	n/a	2	2P
24.0 VDC	17.0 A	n/a	408 W	n/a	3	3P
24.0 VDC	31.5 A	n/a	750 W	n/a	4	4P
24.0 VDC	5.00 A	10.0 A	120 W	240 W	2	1R[1]
24.0 VDC	10.5 A	21.0 A	252 W	504 W	2	2R[1]
24.0 VDC	17.0 A	34.0 A	408 W	816 W	3	3R[1]
28.0 VDC	4.50 A	n/a	126 W	n/a	2	1Q
28.0 VDC	9.00 A	n/a	252 W	n/a	2	2Q
28.0 VDC	14.0 A	n/a	392 W	n/a	3	3Q
28.0 VDC	26.8 A	n/a	750 W	n/a	4	4Q
36.0 VDC	3.50 A	n/a	126 W	n/a	2	1U
36.0 VDC	7.00 A	n/a	252 W	n/a	2	2U
36.0 VDC	11.0 A	n/a	396 W	n/a	3	3U
36.0 VDC	21.0 A	n/a	750 W	n/a	4	4U
48.0 VDC	2.50 A	n/a	120 W	n/a	2	1W
48.0 VDC	5.20 A	n/a	249 W	n/a	2	2W
48.0 VDC	8.50 A	n/a	408 W	n/a	3	3W
48.0 VDC	15.7 A	n/a	750 W	n/a	4	4W
60.0 VDC	2.00 A	n/a	120 W	n/a	2	1Y
60.0 VDC	4.20 A	n/a	252 W	n/a	2	2Y
60.0 VDC	7.00 A	n/a	420 W	n/a	3	3Y
60.0 VDC	12.5 A	n/a	750 W	n/a	4	4Y

Notes:
1. Peak power available for 10 seconds with 35% duty cycle, if peak power rating is exceeded output may latch, recycle input to reset.
2. Module includes remote sense, DC OK, module inhibit, VPROG & current share.

Dual Output - Module Voltage/Current Rating					
Output 1		Output 2		Slots	Code
Voltage	Current	Voltage	Current		
5.0 VDC	10.0 A	5.0 VDC	10.0 A	2	5A
5.0 VDC	10.0 A	3.3 VDC	10.0 A	2	5B
12.0 VDC	10.0 A	12.0 VDC	8.0 A	2	5D
15.0 VDC	8.0 A	15.0 VDC	6.0 A	2	5E
15.0 VDC	8.0 A	15.0 VDC	6.0 A	2	6E*
15.0 VDC	8.0 A	12.0 VDC	8.0 A	2	5F
12.0 VDC	10.0 A	5.0 VDC	10.0 A	2	5G
12.0 VDC	10.0 A	3.3 VDC	10.0 A	2	5H
12.0 VDC	10.0 A	2.0 VDC	10.0 A	2	5J
15.0 VDC	10.0 A	5.0 VDC	10.0 A	2	5K
15.0 VDC	10.0 A	3.3 VDC	10.0 A	2	5L
15.0 VDC	10.0 A	2.0 VDC	10.0 A	2	5M
24.0 VDC	6.0 A	5.0 VDC	10.0 A	2	5N
24.0 VDC	6.0 A	5.0 VDC	10.0 A	2	6N*
24.0 VDC	6.0 A	3.3 VDC	10.0 A	2	5P
24.0 VDC	6.0 A	2.0 VDC	10.0 A	2	5Q

Notes:
1. Total power for dual output module must not exceed 175W max.
2. Module includes global inhibit & DC OK.
*No minimum load needed on output 1 for regulation.

Signals

- Global AC OK/Power Fail
- Global DC OK
- Global Inhibit
- Fan Fail
- Module DC OK
- Module Inhibit
- Current Share

DNR05-18

5-18 Watts

ITE

- AC Input Range 90 to 264VAC
- DC Input Range 120 to 375VDC
- High Efficiency
- Full Power to +60 °C
- ANSI/ISA 12.12.01 Class 1, Division 2
- Wide Adjustment Range
- 3 Year Warranty

Power	Output Voltage	Output Current	Model
5 W	5.0 VDC	1.000 A	DNR05US05
5 W	12.0 VDC	0.420 A	DNR05US12
5 W	15.0 VDC	0.340 A	DNR05US15
5 W	24.0 VDC	0.210 A	DNR05US24
10 W	5.0 VDC	2.000 A	DNR10US05
10 W	12.0 VDC	0.840 A	DNR10US12
10 W	15.0 VDC	0.670 A	DNR10US15
10 W	24.0 VDC	0.420 A	DNR10US24
18 W	5.0 VDC	3.000 A	DNR18US05
18 W	12.0 VDC	1.500 A	DNR18US12
18 W	15.0 VDC	1.200 A	DNR18US15
18 W	24.0 VDC	0.750 A	DNR18US24

Dimensions:

DNR05/10/18:
3.48 x 0.89 x 4.53 in (88.5 x 22.5 x 115.0 mm)

Notes:
Add suffix '-S' for spring clamp connection option.

DDC15-40

15-40 Watts

ITE

- 4:1 DC Input Range 9 to 36VDC (15/30W)
- 3:1 DC Input Range 10 to 32VDC (40W)
- Single Outputs From 3.3 to 24VDC
- Low Profile Design
- -40 °C to +70 °C Ambient Operation
- 1500 VDC Isolation
- High Efficiency
- 3 Year Warranty

Power	Output Voltage	Output Current	Model
11.5 W	3.3 VDC	3.50 A	DDC1524S03
13.5 W	5.0 VDC	2.70 A	DDC1524S05
13.5 W	9.0 VDC	1.50 A	DDC1524S09
15 W	12.0 VDC	1.25 A	DDC1524S12
15 W	15.0 VDC	1.00 A	DDC1524S15
15 W	24.0 VDC	0.63 A	DDC1524S24
22.5 W	5.0 VDC	4.50 A	DDC3024S05
25 W	9.0 VDC	2.80 A	DDC3024S09
30 W	12.0 VDC	2.50 A	DDC3024S12
30 W	15.0 VDC	2.00 A	DDC3024S15
30 W	24.0 VDC	1.25 A	DDC3024S24
30 W	5.0 VDC	6.00 A	DDC4024S05
36 W	9.0 VDC	4.00 A	DDC4024S09
40 W	12.0 VDC	3.40 A	DDC4024S12
40 W	15.0 VDC	2.70 A	DDC4024S15
40 W	24.0 VDC	1.70 A	DDC4024S24

Dimensions:

DDC15: 3.58 x 0.71 x 2.22 in (91.0 x 18.0 x 56.5 mm)
DDC30: 3.58 x 1.38 x 2.22 in (91.0 x 35.0 x 56.5 mm)
DDC40: 3.58 x 2.09 x 2.22 in (91.0 x 53.0 x 56.5 mm)

Notes:
Input voltage range is nominal 24V.

DPC30-70

30-70 Watts

ITE

- AC Input Range 85 to 264VAC
- Ultra Slim Design
- -25 °C to +70 °C Ambient Operation
- High Efficiency
- Wide Output Adjustment Range
- 5V to 48V Nominal Outputs
- <0.5W No Load Input Power
- 3 Year Warranty

Power	Output Voltage	Output Current	Model
20 W	5.0 VDC	4.00 A	DPC30US05
24 W	12.0 VDC	2.00 A	DPC30US12
30 W	24.0 VDC	1.25 A	DPC30US24
35 W	5.0 VDC	7.0 A	DPC50US05
48 W	12.0 VDC	4.0 A	DPC50US12
50 W	24.0 VDC	2.1 A	DPC50US24
66 W	12.0 VDC	5.5 A	DPC70US12
72 W	24.0 VDC	3.0 A	DPC70US24
72 W	48.0 VDC	1.5 A	DPC70US48

Dimensions:

DPC30: 3.6 x 0.89 x 3.94 in (90.0 x 22.5 x 100.0 mm)
DPC50: 3.6 x 1.18 x 3.94 in (90.0 x 30.0 x 100.0 mm)
DPC70: 3.6 x 1.59 x 3.94 in (90.0 x 40.5 x100.0 mm)

DSR75-240

75-240 Watts

ITE

- AC Input Range 85 to 264VAC
- Ultra Slim Design
- 150% Peak Load for 3 seconds
- 12V-48V Nominal Outputs
- -25 °C to +70 °C Ambient Operation
- High Efficiency - up to 94%
- Parallel Function
- DC OK Signal
- 3 Year Warranty

Power	Output Voltage	Output Current	Model
75 W	12.0 VDC	6.3 A	DSR75PS12
75 W	24.0 VDC	3.2 A	DSR75PS24
75 W	48.0 VDC	1.6 A	DSR75PS48
120 W	12.0 VDC	10.0 A	DSR120PS12
120 W	24.0 VDC	5.0 A	DSR120PS24
120 W	48.0 VDC	2.5 A	DSR120PS48
240 W	24.0 VDC	10.0 A	DSR240PS24
240 W	48.0 VDC	5.0 A	DSR240PS48

Dimensions:

DSR75: 4.88 x 1.26 x 4.69 in (124.0 x 32.0 x 119.0 mm)
DSR120: 4.88 x 1.26 x 4.69 in (124.0 x 32.0 x 119.0 mm)
DSR240: 4.88 x 1.77 x 4.69 in (124.0 x 45.0 x 119.0 mm)

Notes:
Peak load is for a maximum of 3s, see datasheet for more details.
Average power is not to exceed nominal output power.

DNR120-480

120-480 Watts

ITE

- AC Input Range 90 to 264VAC
- DC Input Range 120 to 375VDC
- High Efficiency
- 12-48V Nominal Outputs
- Wide Adjustment Range
- Parallel Function
- DC Standby Versions
- Full Power from -40 °C to +60 °C
- ANSI/ISA 12.12.01 Class 1, Division 2
- 3 Year Warranty

Power	Output Voltage	Output Current	Model
120 W	12.0 VDC	10.0 A	DNR120AS12-I
120 W	24.0 VDC	5.0 A	DNR120AS24-I
120 W	48.0 VDC	2.5 A	DNR120AS48-I
240 W	24.0 VDC	10.0 A	DNR240PS24-I
240 W	48.0 VDC	5.0 A	DNR240PS48-I
480 W	24.0 VDC	20.0 A	DNR480PS24-I
480 W	48.0 VDC	10.0 A	DNR480PS48-I

Dimensions:

DNR120: 4.92 x 2.50 x 4.57 in (125.0 x 63.5 x 116.0 mm)
DNR240: 4.92 x 3.27 x 4.39 in (125.0 x 83.0 x 111.3 mm)
DNR480: 4.92 x 6.89 x 4.57 in (125.0 x 175.0 x 116.0 mm)

Notes:
Add suffix 'D' for detachable connector option. For DC standby, remove '-I' and add '#' to the end of the model number. Available for OEM quantities, contact sales.

DNR120-960TS

120-960 Watts

ITE

- 3 Phase AC Input/340 to 575VAC
- DC Input Range 480-820VDC
- High Efficiency - up to 93%
- Wide Adjustment Range
- Full Power to +60 °C
- Single Phase Operation
- ANSI/ISA 12.12.01 Class 1, Division 2
- 3 Year Warranty

Power	Output Voltage	Output Current	Model
120 W	12.0 VDC	10.0 A	DNR120TS12
120 W	24.0 VDC	5.0 A	DNR120TS24
240 W	24.0 VDC	10.0 A	DNR240TS24-I
240 W	48.0 VDC	5.0 A	DNR240TS48-I
480 W	24.0 VDC	20.0 A	DNR480TS24-I
480 W	48.0 VDC	10.0 A	DNR480TS48-I
960 W	24.0 VDC	40.0 A	DNR960TS24-I
960 W	48.0 VDC	20.0 A	DNR960TS48-I

Dimensions:

DNR120TS: 4.87 x 2.93 x 4.39 in (123.6 x 74.3 x 111.3 mm)
DNR240TS: 4.87 x 3.50 x 4.39 in (123.6 x 89.0 x 111.3 mm)
DNR480TS: 4.87 x 5.91 x 4.39 in (123.6 x 150.0 x 111.3 mm)
DNR960TS: 4.96 x 10.86 x 4.39 in (125.9 x 275.7 x 111.3 mm)

Notes:
Reduce load by 25% for single phase input operation, (340-575VAC).

VEU10

10 Watts

ITE

- USB Power Adapter
- Energy Efficiency Level VI
- European CoC Tier 2
- Fixed Mains Connectors
- Universal Input
- Class II Construction
- Low Cost

Power	Output Voltage	Output Current	Model
10 W	5.0 VDC	2100 mA	VEU10US050-UK
10 W	5.0 VDC	2100 mA	VEU10US050-US
10 W	5.0 VDC	2100 mA	VEU10US050-EU

Dimensions:

VEU (case only):
-US: 1.45 x 0.86 x 2.00 in (37.0 x 22.0 x 50.8 mm)
-EU: 1.45 x 0.86 x 2.20 in (37.0 x 22.0 x 56.5 mm)
-UK: 1.92 x 1.68 x 2.00 in (48.8 x 42.8 x 50.8 mm)

ACM06-36

6 to 36 Watts

ITE

Medical

- Energy Efficiency Level VI
- European CoC Tier 2
- ITE & Medical (2 x MOPP) Approvals
- 4th Edition Medical EMC
- Interchangeable Mains Connectors
- Optional White Case Versions
- Output Voltages from 5V to 36V
- Class II Construction
- 3 Years Warranty

Power	Output Voltage	Output Current	Model
5 W	5.0 VDC	1000 mA	ACM06US05
6 W	9.0 VDC	600 mA	ACM06US09
6 W	12.0 VDC	500 mA	ACM06US12
10 W	5.0 VDC	2000 mA	ACM12US05
12 W	9.0 VDC	1330 mA	ACM12US09
12 W	12.0 VDC	1000 mA	ACM12US12
12 W	15.0 VDC	800 mA	ACM12US15
12 W	18.0 VDC	666 mA	ACM12US18
12 W	24.0 VDC	500 mA	ACM12US24
12.5 W	5.0 VDC	2500 mA	ACM18US05
18 W	9.0 VDC	2000 mA	ACM18US09
18 W	12.0 VDC	1500 mA	ACM18US12
18 W	15.0 VDC	1250 mA	ACM18US15
18 W	18.0 VDC	1000 mA	ACM18US18
18 W	24.0 VDC	750 mA	ACM18US24
24 W	9.0 VDC	2330 mA	ACM24US09
24 W	12.0 VDC	2000 mA	ACM24US12
24 W	15.0 VDC	1600 mA	ACM24US15
24 W	18.0 VDC	1330 mA	ACM24US18
24 W	24.0 VDC	1000 mA	ACM24US24
36 W	9.0 VDC	4000 mA	ACM36US09
36 W	12.0 VDC	3000 mA	ACM36US12
36 W	15.0 VDC	2400 mA	ACM36US15
36 W	18.0 VDC	2000 mA	ACM36US18
36 W	24.0 VDC	1500 mA	ACM36US24
36 W	30.0 VDC	1200 mA	ACM36US30
36 W	36.0 VDC	1000 mA	ACM36US36

Dimensions:

ACM06 (body only):
2.89 x 1.21 x 1.67 in (73.5 x 30.7 x 42.5 mm)
ACM12 (body only):
2.99 x 1.19 x 1.9 in (76.0 x 30.3 x 48.2 mm)
ACM18 (body only):
3.46 x 1.18 x 1.95 in (88.0 x 30.0 x 49.5 mm)
ACM24 (body only):
3.46 x 1.18 x 2.24 in (88.0 x 30.0 x 57.0 mm)
ACM36 (body only):
3.81 x 1.3 x 2.34 in (96.7 x 33.0 x 59.5 mm)

Notes:
Model number is for body only. AC input plugs must be ordered separately. Other output voltages available, contact sales for details. For white case version add suffix '-W'. MOQ applies, contact sales for details. For 5V version with optional USB type A connector in case, add suffix -BB (ACM06 only).

VEL05-36

5-36 Watts

ITE

- Energy Efficiency Level VI
- European CoC Tier 2 (12-36W)
- Barrel Jack & USB Versions
- Fixed Mains Connectors
- Universal Input
- Output Voltages from 5V to 24V
- Class II Construction
- Low Cost

Power	Output Voltage	Output Current	Model
5 W	5.0 VDC	1000 mA	VEL05US050-XX-BB
5 W	5.0 VDC	1000 mA	VEL05US050-XX-MB
5 W	5.0 VDC	1000 mA	VEL05US050-XX-UB
5 W	5.0 VDC	1000 mA	VEL05US050-XX-JA
5 W	6.0 VDC	830 mA	VEL05US060-XX-JA*
5 W	9.0 VDC	550 mA	VEL05US090-XX-JA
5 W	12.0 VDC	420 mA	VEL05US120-XX-JA
12 W	5.0 VDC	2100 mA	VEL12US050-XX-JA
12 W	9.0 VDC	1280 mA	VEL12US090-XX-JA
12 W	12.0 VDC	1000 mA	VEL12US120-XX-JA
18 W	9.0 VDC	2000 mA	VEL18US090-XX-JA
18 W	12.0 VDC	1500 mA	VEL18US120-XX-JA
18 W	15.0 VDC	1250 mA	VEL18US150-XX-JA
18 W	18.0 VDC	1000 mA	VEL18US180-XX-JA
18 W	24.0 VDC	750 mA	VEL18US240-XX-JA
24 W	12.0 VDC	2000 mA	VEL24US120-XX-JA
24 W	15.0 VDC	1600 mA	VEL24US150-XX-JA
24 W	18.0 VDC	1320 mA	VEL24US180-XX-JA
24 W	24.0 VDC	1000 mA	VEL24US240-XX-JA
30 W	12.0 VDC	2500 mA	VEL30US120-XX-JA
30 W	15.0 VDC	2000 mA	VEL30US150-XX-JA
30 W	18.0 VDC	1670 mA	VEL30US180-XX-JA
30 W	24.0 VDC	1250 mA	VEL30US240-XX-JA
36 W	12.0 VDC	3000 mA	VEL36US120-XX-JA
36 W	15.0 VDC	2400 mA	VEL36US150-XX-JA
36 W	18.0 VDC	2000 mA	VEL36US180-XX-JA
36 W	24.0 VDC	1500 mA	VEL36US240-XX-JA

Dimensions:

VEL05 (body only):
-US: 2.17 x 0.95 x 1.40 in (55.1 x 24.1 x 35.49 mm)
-EU: 2.17 x 0.95 x 1.40 in (55.1 x 24.1 x 35.49 mm)
-UK: 2.17 x 1.95 x 1.69 in (55.1 x 49.5 x 42.9 mm)
VEL12 (body only):
-US: 2.99 x 1.16 x 1.73 in (76.0 x 29.5 x 43.87 mm)
-EU: 2.99 x 1.16 x 1.55 in (76.0 x 29.5 x 39.37 mm)
-UK: 2.99 x 1.95 x 1.83 in (76.0 x 49.5 x 46.37 mm)
VEL18/24 (body only):
-US: 3.54 x 1.34 x 1.87 in (90.0 x 34.0 x 47.5 mm)
-EU: 3.54 x 1.34 x 2.26 in (90.0 x 34.0 x 57.57 mm)
-UK: 3.54 x 1.95 x 1.96 in (90.0 x 49.5 x 50.0 mm)
VEL30/36 (body only):
-US: 3.70 x 1.38 x 1.83 in (94.0 x 35.0 x 46.6 mm)
-EU: 3.70 x 1.38 x 2.55 in (94.0 x 35.0 x 64.8 mm)
-UK: 3.70 x 1.95 x 2.11 in (94.0 x 49.6 x 53.6 mm)

Notes:
Replace 'XX' in model number with 'US' for US mains plug, 'UK' for UK mains plug or 'EU' for European mains plug. The VEL05 5V output has the following formats available: USB '-BB', Mini USB '-MB' or Micro USB '-UB'. Other output voltages available, contact sales for details.
*Level V Energy Efficiency.

VER05-36

5-36 Watts

ITE

- Energy Efficiency Level VI
- European CoC Tier 2 (12-36W)
- Universal Input
- Interchangeable Mains Connectors Included
- Output Voltages from 5V to 36V
- Class II Construction
- Low Cost

Power	Output Voltage	Output Current	Model
5 W	5.0 VDC	1000 mA	VER05US050-JA
5 W	6.0 VDC	830 mA	VER05US060-JA*
5 W	9.0 VDC	550 mA	VER05US090-JA
5 W	12.0 VDC	420 mA	VER05US120-JA
12 W	5.0 VDC	2100 mA	VER12US050-JA
12 W	9.0 VDC	1280 mA	VER12US090-JA
12 W	12.0 VDC	1000 mA	VER12US120-JA
18 W	9.0 VDC	2000 mA	VER18US090-JA
18 W	12.0 VDC	1500 mA	VER18US120-JA
18 W	15.0 VDC	1250 mA	VER18US150-JA
18 W	18.0 VDC	1000 mA	VER18US180-JA
18 W	24.0 VDC	750 mA	VER18US240-JA
24 W	12.0 VDC	2000 mA	VER24US120-JA
24 W	15.0 VDC	1500 mA	VER24US150-JA
24 W	18.0 VDC	1320 mA	VER24US180-JA
24 W	24.0 VDC	1000 mA	VER24US240-JA
36 W	12.0 VDC	3000 mA	VER36US120-JA
36 W	15.0 VDC	2400 mA	VER36US150-JA
36 W	18.0 VDC	2000 mA	VER36US180-JA
36 W	24.0 VDC	1500 mA	VER36US240-JA

Dimensions:

VER05 (body only):
2.16 x 1.45 x 1.69 in (55.1 x 37.0 x 42.9 mm)
VER12 (body only):
3.01 x 1.61 x 1.48 in (76.5 x 41.0 x 37.6 mm)
VET18/VET24 (body only):
3.54 x 1.69 x 1.68 in (90.5 x 42.0 x 42.7 mm)
VET36 (body only):
3.72 x 1.85 x 1.71 in (94.5 x 47.0 x 43.9 mm)

Notes:
Output connector are DC Jack '-JA' as standard. The VER05 5V output has the following formats available: USB '-BB', Mini USB '-MB' or Micro USB '-UB'. Other output voltages available, contact sales for details.
*Level V Energy Efficiency.

VET18-36

18-36 Watts

ITE

- Energy Efficiency Level VI
- European CoC Tier 2
- ITE Safety Approvals
- Universal Input
- Output Voltages from 9V to 24V
- Class II Construction
- Low Cost

Dimensions:

VET18 & VET24:
4.21 x 1.71 x 1.22 in (107.0 x 43.5 x 31.0 mm)
VET30/VET36:
4.53 x 1.89 x 1.28 in (115.0 x 48.0 x 32.5 mm)

Power	Output Voltage	Output Current	Model
18 W	9.0 VDC	2000 mA	VET18US090C2-JA
18 W	12.0 VDC	1500 mA	VET18US120C2-JA
18 W	15.0 VDC	1250 mA	VET18US150C2-JA
18 W	18.0 VDC	1000 mA	VET18US180C2-JA
18 W	24.0 VDC	750 mA	VET18US240C2-JA
24 W	12.0 VDC	2000 mA	VET24US120C2-JA
24 W	15.0 VDC	1600 mA	VET24US150C2-JA
24 W	18.0 VDC	1320 mA	VET24US180C2-JA
24 W	24.0 VDC	1000 mA	VET24US240C2-JA
30 W	12.0 VDC	2500 mA	VET30US120C2-JA
30 W	15.0 VDC	2000 mA	VET30US150C2-JA
30 W	18.0 VDC	1670 mA	VET30US180C2-JA
30 W	24.0 VDC	1250 mA	VET30US240C2-JA
36 W	12.0 VDC	3000 mA	VET36US120C2-JA
36 W	15.0 VDC	2400 mA	VET36US150C2-JA
36 W	18.0 VDC	2000 mA	VET36US180C2-JA
36 W	24.0 VDC	1500 mA	VET36US240C2-JA

AKM36

36 Watts

ITE

Medical

- Energy Efficiency Level VI
- European CoC Tier 2
- ITE & Medical (2 x MOPP) Approvals
- 4th Edition Medical EMC
- Class II Construction
- Optional White Case Versions
- Output Voltages from 9V to 36V
- 3 Year Warranty

Dimensions:

AKM36: 4.25 x 1.97 x 1.33 in (108.0 x 50.0 x 33.8 mm)

Power	Output Voltage	Output Current	Model
36 W	9.0 VDC	4.0 A	AKM36US09C2
36 W	12.0 VDC	3.0 A	AKM36US12C2
36 W	15.0 VDC	2.4 A	AKM36US15C2
36 W	18.0 VDC	2.0 A	AKM36US18C2
36 W	24.0 VDC	1.5 A	AKM36US24C2
36 W	36.0 VDC	1.2 A	AKM36US36C2

Notes:
For white case version add suffix '-W' e.g. AKM36US12C2-W. MOQ contact sales for details.

AKM48-65

45-65 Watts

ITE

Medical

- Energy Efficiency Level VI
- European CoC Tier 2
- ITE & Medical (2 x MOPP) Approvals
- 4th Edition Medical EMC
- Class I & Class II Versions
- Optional White Case Versions
- Output Voltages from 9V to 48V
- Optional AC Cable Restraint
- 3 Year Warranty

Dimensions:

AKM45: 4.82 x 2.02 x 1.24 in (122.4 x 51.4 x 31.5 mm)
AKM65: 4.92 x 2.45 x 1.34 in (125.0 x 62.3 x 34.0 mm)

Power	Output Voltage	Output Current	Model
40.5 W	9.0 VDC	4.50 A	AKM45US09
48 W	12.0 VDC	4.00 A	AKM45US12
48 W	15.0 VDC	3.20 A	AKM45US15
48 W	18.0 VDC	2.66 A	AKM45US18
48 W	24.0 VDC	2.00 A	AKM45US24
48 W	48.0 VDC	1.00 A	AKM45US48
65 W	12.0 VDC	5.42 A	AKM65US12
65 W	15.0 VDC	4.30 A	AKM65US15
65 W	18.0 VDC	3.60 A	AKM65US18
65 W	24.0 VDC	2.70 A	AKM65US24
65 W	48.0 VDC	1.35 A	AKM65US48

Notes:
For white case version add suffix '-W' e.g. AKM45US12-W/ AKM65US12-W. For optional Class II version add suffix C2, e.g. AKM45US12C2/AKM65US12C2. MOQ contact sales for details.

VEC40-65

40-65 Watts

ITE

- Energy Efficiency Level VI
- European CoC Tier 2
- ITE Safety Approvals
- Limited Power Source (LPS) Approved
- Optional IEC320-C6 Inlet Connector
- China Compulsory Certification (CCC)
- 0 °C to 60 °C Operation
- High Power Density
- Low Cost

Dimensions:

VEC40/50/60/65:
4.58 x 2.06 x 1.23 in (116.3 x 52.4 x 31.3 mm)

Power	Output Voltage	Output Current	Model
40 W	12.0 VDC	3.33 A	VEC40US12
40 W	15.0 VDC	2.67 A	VEC40US15
40 W	24.0 VDC	1.67 A	VEC40US24
50 W	12.0 VDC	4.16 A	VEC50US12
50 W	15.0 VDC	3.33 A	VEC50US15
50 W	19.0 VDC	2.63 A	VEC50US19
50 W	24.0 VDC	2.08 A	VEC50US24
60 W	12.0 VDC	5.00 A	VEC60US12
60 W	15.0 VDC	4.00 A	VEC60US15
60 W	19.0 VDC	3.16 A	VEC60US19
60 W	24.0 VDC	2.50 A	VEC60US24
65 W	12.0 VDC	5.41 A	VEC65US12
65 W	19.0 VDC	3.42 A	VEC65US19
65 W	24.0 VDC	2.71 A	VEC65US24

ALM65

65 Watts

ITE

Medical

- Energy Efficiency Level VI
- ITE & Medical (2 x MOPP) Approvals
- 4th Edition Medical EMC
- IP32 Environmental Rating
- Class I & Class II Versions
- <0.21W Standby Power
- 0 °C to +60 °C Operation
- Low Earth Leakage Current
- 3 Year Warranty

Dimensions:

ALM65: 4.94 x 2.19 x 1.32 in (125.5 x 55.5 x 33.5 mm)

Power	Output Voltage	Output Current	Model
65 W	12.0 VDC	5.40 A	ALM65US12
65 W	15.0 VDC	4.30 A	ALM65US15
65 W	19.0 VDC	3.40 A	ALM65US19
65 W	24.0 VDC	2.70 A	ALM65US24
65 W	48.0 VDC	1.35 A	ALM65US48

Notes:
For class II versions, add suffix 'C2-8' to the end of the part number. For optional input connector retention clip add suffix '-A' to the model number (not available for C2 versions). For optional 5.5 x 2.1 mm output connector add suffix B1 to the part number.

ALM85

85 Watts

ITE

Medical

- Energy Efficiency Level VI
- European CoC Tier 2
- ITE & Medical (2 x MOPP) Approvals
- 4th Edition Medical EMC
- IP32 Environmental Rating
- Class I & Class II Versions
- <0.15W Standby Power
- 0 °C to +60 °C Operation
- Low Earth Leakage Current
- 3 Year Warranty

Dimensions:

ALM85: 5.315 x 2.441 x 1.457 in (135.0 x 62.0 x 37.0 mm)

Power	Output Voltage	Output Current	Model
85 W	12.0 VDC	6.67 A	ALM85US12
85 W	15.0 VDC	5.33 A	ALM85US15
85 W	19.0 VDC	4.47 A	ALM85US19
85 W	24.0 VDC	3.54 A	ALM85US24

Notes:
For class II versions, add suffix 'C2-8' to the end of the part number. For optional input connector retention clip add suffix '-A' to the model number (not available for C2 versions).

AJM90

90 Watts

ITE

Medical

- Energy Efficiency Level VI
- ITE & Medical (2 x MOPP) Approvals
- 4th Edition Medical EMC
- Class I & Class II Versions
- <0.21W Standby Power
- 0 °C to +60 °C Operation
- Low Earth Leakage Current
- 3 Year Warranty

Power	Output Voltage	Output Current	Model
90 W	12.0 VDC	7.50 A	AJM90PS12
90 W	18.0 VDC	5.00 A	AJM90PS18
90 W	19.0 VDC	4.74 A	AJM90PS19
90 W	24.0 VDC	3.75 A	AJM90PS24

Dimensions:

AJM90: 5.51 x 2.8 x 0.87 in (140.0 x 71.0 x 22.0 mm)

Notes:
For class II versions, add suffix 'C2' to the end of the part number. Class II versions do not have ITE approvals.

ALM120

120 Watts

ITE

Medical

- Energy Efficiency Level VI
- ITE & Medical (2 x MOPP) Approvals
- EU CoC Tier 2 Compliant
- 4th Edition Medical EMC
- IP32 Environmental Rating
- Class I and Class II Versions
- <0.15W Standby Power
- 0 °C to +60 °C Operation
- 3 Year Warranty

Power	Output Voltage	Output Current	Model
120 W	12.0 VDC	10.00 A	ALM120PS12
120 W	15.0 VDC	8.00 A	ALM120PS15
120 W	19.0 VDC	6.32 A	ALM120PS19
120 W	24.0 VDC	5.00 A	ALM120PS24

Dimensions:

ALM120: 6.73 x 2.67 x 1.49 in (171.0 x 68.0 x 38.0 mm)

Notes:
For class II versions, add suffix 'C2-8' to the end of the part number. For optional input connector retention clip add suffix '-A' to the model number (not available for C2 versions). For optional output connector, DC barrel jack, add suffix -B5 to model number. Power de-rating <100VAC for 12 & 15V models.

VES90-150

90-150 Watts

ITE

- Energy Efficiency Level VI
- ITE Safety Approvals
- European CoC Tier 2
- High Power Density
- <0.15W Standby Power
- China Compulsory Certification (CCC)
- 0 °C to 60 °C Operation
- Optional Output Connector
- Low Cost

Power	Output Voltage	Output Current	Model
90 W	12.0 VDC	7.50 A	VES90PS12
90 W	19.0 VDC	4.74 A	VES90PS19
90 W	24.0 VDC	3.75 A	VES90PS24
90 W	48.0 VDC	1.875 A	VES90PS48
120 W	12.0 VDC	10.00 A	VES120PS12
120 W	19.0 VDC	6.32 A	VES120PS19
120 W	24.0 VDC	5.00 A	VES120PS24
150 W	12.0 VDC	12.50 A	VES150PS12
150 W	15.0 VDC	10.0 A	VES150PS15
150 W	19.0 VDC	7.80 A	VES150PS19
150 W	24.0 VDC	6.25 A	VES150PS24
150 W	48.0 VDC	3.12 A	VES150PS48

Dimensions:

VES90: 5.47 x 2.28 x 1.22 in (139.0 x 58.0 x 31.0 mm)
VES120: 6.61 x 2.80 x 1.48 in (168.0 x 71.0 x 37.5 mm)
VES150: 6.66 x 2.79 x 1.56 in (169.2 x 70.8 x 39.5 mm)

Notes:
For optional barrel jack connector, 2.5mm inner positive, 5.5mm outer negative, 11mm length add suffix '-B' to the model number, (VES90 & VES120 only), e.g. VES90PS24-B.

AHE220

220 Watts

ITE

- Energy Efficiency Level VI
- ITE Safety Approvals
- <0.21W Standby Power
- 0 °C to 60 °C Operation
- High Power Density
- Low Earth Leakage Current
- 3 Year Warranty

Power	Output Voltage	Output Current	Model
180 W	12.0 VDC	15.0 A	AHE220PS12
220 W	19.0 VDC	11.57 A	AHE220PS19
220 W	24.0 VDC	9.16 A	AHE220PS24

Dimensions:

AHE220: 7.76 x 3.46 x 1.73 in (197.0 x 88.0 x 44 mm)

Notes:
12 V: for IEC320-C6, add suffix 'C6' to the end of the part number.

AHM85-250

85-250 Watts

ITE

Medical

- Energy Efficiency Level V
- ITE & Medical (2 x MOPP) Approvals
- 4th Edition Medical EMC
- CEC2008 & EISA 2007
- <0.5W No Load Input Power
- Class I & II Models (Except AHM250)
- Very High Efficiency
- IP22 Environmental Rating
- 3 Year Warranty

Dimensions:

AHM85: 5.90 x 2.52 x 1.45 in (150.0 x 64.0 x 37.0 mm)
AHM100: 6.29 x 2.52 x 1.45 in (160.0 x 64.0 x 37.0 mm)
AHM150: 7.80 x 3.15 x 1.45 in (200.0 x 80.0 x 37.0 mm)
AHM180: 7.80 x 3.15 x 1.61 in (200.0 x 80.0 x 41.0 mm)
AHM250: 8.80 x 3.48 x 1.45 in (223.0 x 88.5 x 37.0 mm)

Power	Output Voltage	Output Current	Model
85 W	12.0 VDC	7.08 A	AHM85PS12
85 W	15.0 VDC	5.67 A	AHM85PS15
85 W	19.0 VDC	4.47 A	AHM85PS19
85 W	24.0 VDC	3.54 A	AHM85PS24
85 W	12.0 VDC	7.08 A	AHM85PS12C2
85 W	15.0 VDC	5.67 A	AHM85PS15C2
85 W	19.0 VDC	4.47 A	AHM85PS19C2
85 W	24.0 VDC	3.54 A	AHM85PS24C2

Power	Output Voltage	Output Current	Model
100 W	12.0 VDC	8.33 A	AHM100PS12
100 W	15.0 VDC	6.67 A	AHM100PS15
100 W	19.0 VDC	5.26 A	AHM100PS19
100 W	24.0 VDC	4.16 A	AHM100PS24
100 W	48.0 VDC	2.08 A	AHM100PS48
100 W	12.0 VDC	8.33 A	AHM100PS12C2
100 W	15.0 VDC	6.67 A	AHM100PS15C2
100 W	19.0 VDC	5.26 A	AHM100PS19C2
100 W	24.0 VDC	4.16 A	AHM100PS24C2
100 W	48.0 VDC	2.08 A	AHM100PS48C2

Power	Output Voltage	Output Current	Model
150 W	12.0 VDC	12.50 A	AHM150PS12
150 W	15.0 VDC	10.00 A	AHM150PS15
150 W	19.0 VDC	7.89 A	AHM150PS19
150 W	24.0 VDC	6.25 A	AHM150PS24
150 W	48.0 VDC	3.13 A	AHM150PS48
150 W	12.0 VDC	12.50 A	AHM150PS12C2
150 W	15.0 VDC	10.00 A	AHM150PS15C2
150 W	19.0 VDC	7.89 A	AHM150PS19C2
150 W	24.0 VDC	6.25 A	AHM150PS24C2
150 W	48.0 VDC	3.13 A	AHM150PS48C2

Power	Output Voltage	Output Current	Model
165 W	12.0 VDC	13.75 A	AHM180PS12
180 W	15.0 VDC	12.00 A	AHM180PS15
180 W	19.0 VDC	9.47 A	AHM180PS19
180 W	24.0 VDC	7.50 A	AHM180PS24
180 W	48.0 VDC	3.75 A	AHM180PS48
165 W	12.0 VDC	13.75 A	AHM180PS12C2
180 W	15.0 VDC	12.00 A	AHM180PS15C2
180 W	19.0 VDC	9.47 A	AHM180PS19C2
180 W	24.0 VDC	7.50 A	AHM180PS24C2
180 W	48.0 VDC	3.75 A	AHM180PS48C2

Power	Output Voltage	Output Current	Model
210 W	12.0 VDC	17.50 A	AHM250PS12T
220 W	15.0 VDC	14.66 A	AHM250PS15T
240 W	19.0 VDC	12.63 A	AHM250PS19T
250 W	24.0 VDC	10.41 A	AHM250PS24T
250 W	48.0 VDC	5.21 A	AHM250PS48T

Notes:
Models with suffix 'C2' have a Class II equipment protection classification. For IEC320-C8 input connector with Class II models, add suffix '-8' to the model number. For optional input connector retention clip, add suffix '-A' to the model number. Alternate case colours available for OEM quantities, contact sales for information. 250W: For 6 pin DIN connector, remove 'T' from the end of the model number. (DIN connector for medical applications only).

SRH05

0.5 Amps

- 3 Pin Switching Regulator
- Regulated Single Output
- Ultra Wide Input Range to 72V
- SIP3 Package
- -40 °C to +85 °C Operation
- Class B Conducted & Radiated Emissions
- MTBF >4.5MHrs
- 3 Year Warranty

Input Voltage	Output Voltage	Output Current	Model
9-72 VDC	3.3 VDC	500 mA	SRH05S3V3
9-72 VDC	5.0 VDC	500 mA	SRH05S05
9-72 VDC	6.5 VDC	500 mA	SRH05S6V5
14-72 VDC	7.2 VDC	500 mA	SRH05S7V2
14-72 VDC	9.0 VDC	500 mA	SRH05S09
17-72 VDC	12.0 VDC	500 mA	SRH05S12
21-72 VDC	15.0 VDC	400 mA	SRH05S15

Dimensions:

SRH05: 0.46 x 0.29 x 0.40 in (11.68 x 7.50 x 10.16 mm)

STR05

0.5 Amps

- 3 Terminal Switching Regulator
- Regulated Single Output
- Wide Input Range
- Compact SMD Package
- -40 °C to +100 °C Operation
- Remote On/Off
- Very High Efficiency - up to 97%
- Output Voltage Trim
- Tape & Reel Package Available
- 3 Year Warranty

Input Voltage	Output Voltage	Output Current	Model
4.75-32 VDC	1.5 VDC	500 mA	STR05S1V5
4.75-32 VDC	1.8 VDC	500 mA	STR05S1V8
4.75-32 VDC	2.5 VDC	500 mA	STR05S2V5
4.75-32 VDC	3.3 VDC	500 mA	STR05S3V3
6.5-32 VDC	5.0 VDC	500 mA	STR05S05
8-32 VDC	6.5 VDC	500 mA	STR05S6V5
11-32 VDC	9.0 VDC	500 mA	STR05S09
15-32 VDC	12.0 VDC	500 mA	STR05S12
18-32 VDC	15.0 VDC	500 mA	STR05S15

Dimensions:

STR05: 0.60 x 0.49 x 0.36 in (15.30 x 12.35 x 9.24 mm)

TR

0.5-1 Amp

- 3 Pin Switching Regulator
- Regulated Single Output
- Wide Input Range
- SIP3 Package
- -40 °C to +85 °C Operation
- Class B Conducted & Radiated Emissions
- MTBF >3.8MHrs
- 3 Year Warranty

Input Voltage	Output Voltage	Output Current	Model
4.5-28 V	3.3 VDC	500 mA	TR05S3V3
7-28 V	5.0 VDC	500 mA	TR05S05
14-28 V	12.0 VDC	500 mA	TR05S12
17-28 V	15.0 VDC	500 mA	TR05S15
7-28 V	3.3 VDC	1000 mA	TR10S3V3
8-28 V	5.0 VDC	1000 mA	TR10S05

Dimensions:

TR05/10: 0.46 x 0.29 x 0.4 in (11.68 x 7.5 x 10.16 mm)

IK

0.25 Watts

- Single Output
- ±10% Input Range
- SIP4 or DIP8 Package
- 1000VDC Isolation
- Optional 3000VDC Isolation
- Small Package Sizes
- -40 °C to +85 °C Operation
- 3 Year Warranty

Power	Output Voltage	Output Current	Model
0.25 W	3.3 VDC	75.70 mA	IKxx03SA
0.25 W	5.0 VDC	50.00 mA	IKxx05SA
0.25 W	7.2 VDC	34.72 mA	IKxx07SA
0.25 W	9.0 VDC	27.77 mA	IKxx09SA
0.25 W	12.0 VDC	20.83 mA	IKxx12SA
0.25 W	15.0 VDC	16.67 mA	IKxx15SA
0.25 W	18.0 VDC	13.88 mA	IKxx18SA
0.25 W	24.0 VDC	10.41 mA	IKxx24SA

Dimensions:

IK SIP: 0.46 x 0.4 x 0.24 in (11.68 x 10.15 x 6.0 mm)
IK DIP: 0.50 x 0.4 x 0.27 in (12.7 x 10.14 x 6.86 mm)

Notes:
For input range: 5V replace xx with 05, e.g. IK0503SA
12V replace xx with 12 e.g. IK1203SA
24V replace xx with 24 e.g. IK2403SA
48V replace xx with 48 e.g. IK4803SA
For DIP package replace 'S' in model number with 'D'.

ISK

0.25 Watts

- Single Output
- ±10% Input Range
- SMD Package
- Industry Standard Pinout
- -40 °C to +105 °C Operation
- 1500VDC Isolation
- Optional 3000VDC Isolation
- Tape and Reel Package Available
- 3 Year Warranty

Power	Input Voltage	Output Voltage	Output Current	Model
0.25 W	4.5-5.5 VDC	3.3 VDC	76mA	ISK0503A
0.25 W	4.5-5.5 VDC	5.0 VDC	50mA	ISK0505A
0.25 W	10.8-13.2 VDC	5.0 VDC	50mA	ISK1205A
0.25 W	10.8-13.2 VDC	12.0 VDC	21mA	ISK1212A
0.25 W	21.6-26.4 VDC	5.0 VDC	50mA	ISK2405A

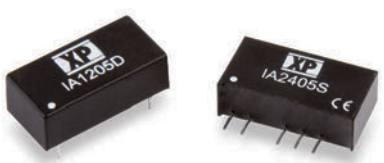
Dimensions:

ISK: 0.500 x 0.44 x 0.285 in (12.7 x 11.2 x 7.25 mm)

Notes:
For tape & reel option add suffix '-TR' to the end of the part number.

IA

1 Watt



- Dual Outputs
- ±10% Input Range
- SIP7 or DIP14 Package
- Industry Standard Pinout
- 1000VDC Isolation
- -40 °C to +85 °C Operation
- MTBF >1.1MHrs
- ITE Safety Approvals
- 3 Year Warranty

Power	Output Voltage	Output Current	Model
1 W	±3.3 VDC	±151 mA	IAxx03S
1 W	±5.0 VDC	±100 mA	IAxx05S
1 W	±9.0 VDC	±55 mA	IAxx09S
1 W	±12.0 VDC	±42 mA	IAxx12S
1 W	±15.0 VDC	±33 mA	IAxx15S
1 W	±24.0 VDC	±21 mA	IAxx24S

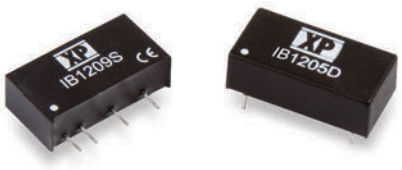
Dimensions:

IA SIP: 0.76 x 0.4 x 0.24 in (19.3 x 10.16 x 6.09 mm)
IA DIP: 0.80 x 0.4 x 0.25 in (20.32 x 10.16 x 6.35 mm)

Notes:
For input range: 3.3V replace xx with 03, e.g. IA0303S
5V replace xx with 05, e.g. IA0503S
12V replace xx with 12 e.g. IA1203S
24V replace xx with 24 e.g. IA2403S
48V replace xx with 48 e.g. IA4803S
For DIP package replace 'S' in model number with 'D'.

IB

1 Watt



- Single Output
- ±10% Input Range
- SIP7 or DIP14 Package
- Industry Standard Pinout
- 1000VDC Isolation
- -40 °C to +85 °C Operation
- MTBF >1.1MHrs
- ITE Safety Approvals
- 3 Year Warranty

Power	Output Voltage	Output Current	Model
1 W	3.3 VDC	303 mA	IBxx03S
1 W	5.0 VDC	200 mA	IBxx05S
1 W	9.0 VDC	111 mA	IBxx09S
1 W	12.0 VDC	84 mA	IBxx12S
1 W	15.0 VDC	66 mA	IBxx15S
1 W	24.0 VDC	42 mA	IBxx24S

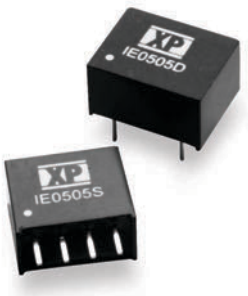
Dimensions:

IB SIP: 0.76 x 0.4 x 0.24 in (19.3 x 10.16 x 6.09 mm)
IB DIP: 0.80 x 0.4 x 0.27 in (20.32 x 10.16 x 6.8 mm)

Notes:
For input range: 5V replace xx with 05, e.g. IB0503S
12V replace xx with 12 e.g. IB1203S
24V replace xx with 24 e.g. IB2403S
48V replace xx with 48 e.g. IB4803S
For DIP package replace 'S' in model number with 'D'.

IE

1 Watt



- Single Output
- ±10% Input Range
- SIP4 or DIP8 Package
- 1000VDC Isolation
- Optional 3000VDC Isolation
- Small Package Sizes
- -40 °C to +85 °C Operation
- 3 Year Warranty

Power	Output Voltage	Output Current	Model
1 W	3.3 VDC	300 mA	IExx03S
1 W	5.0 VDC	200 mA	IExx05S
1 W	9.0 VDC	111 mA	IExx09S
1 W	12.0 VDC	84 mA	IExx12S
1 W	15.0 VDC	66 mA	IExx15S
1 W	24.0 VDC	42 mA	IExx24S

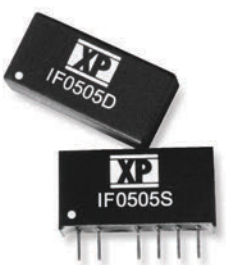
Dimensions:

IE SIP: 0.46 x 0.4 x 0.24 in (11.68 x 10.15 x 6.0 mm)
IE DIP: 0.50 x 0.4 x 0.27 in (12.7 x 10.14 x 6.86 mm)

Notes:
For input range: 3.3V replace xx with 03, e.g. IE0303S
5V replace xx with 05 e.g. IE0503S
12V replace xx with 12 e.g. IE1203S
24V replace xx with 24 e.g. IE2403S
48V replace xx with 48 e.g. IE4803S
For DIP package replace 'S' in model number with 'D'
For 3000V isolation, add suffix '-H' to model number

IF

1 Watt



- Regulated Single Output
- ±10% Input Range
- SIP7 or DIP14 Package
- Low Ripple & Noise
- 1000VDC Isolation
- Optional 3000VDC Isolation
- MTBF 4.2MHrs
- 3 Year Warranty

Power	Output Voltage	Output Current	Model
1 W	3.3 VDC	333 mA	IFxx03S
1 W	5.0 VDC	200 mA	IFxx05S
1 W	9.0 VDC	111 mA	IFxx09S
1 W	12.0 VDC	84 mA	IFxx12S
1 W	15.0 VDC	67 mA	IFxx15S

Dimensions:

IF SIP: 0.76 x 0.39 x 0.28 in (19.5 x 10.0 x 9.5 mm)
IF DIP: 3.6 x 1.18 x 3.94 in (90.0 x 30.0 x 100.0 mm)

Notes:
For input range: 5V replace xx with 05 e.g. IF0503S
12V replace xx with 12 e.g. IF1203S
24V replace xx with 24 e.g. IF2403S
For DIP package replace 'S' in model number with 'D'
For 3000V isolation, add suffix '-H' to model number

IHA01

1 Watt

- Single & Dual Outputs
- ±10% Input Range
- SIP7 Package
- High Isolation, 6000VDC
- 250VAC/400VDC Working Voltage
- Bipolar Outputs for MOSFET & IGBT Drives
- -40 °C to +85 °C Operation
- Full Load at 85 °C Ambient
- MTBF 2.5MHrs
- 3 Year Warranty

Dimensions:

IHA01: 0.77 x 0.39 x 0.49 in (19.5 x 9.8 x 12.5 mm)

Power	Output Voltage	Output Current	Model
1 W	3.3 VDC	303 mA	IHA01xxS3V3
1 W	5.0 VDC	200 mA	IHA01xxS05
1 W	9.0 VDC	111 mA	IHA01xxS09
1 W	12.0 VDC	83 mA	IHA01xxS12
1 W	15.0 VDC	67 mA	IHA01xxS15
1 W	±3.3 VDC	±151 mA	IHA01xxD03
1 W	±5.0 VDC	±100 mA	IHA01xxD05
1 W	±9.0 VDC	±56 mA	IHA01xxD09
1 W	±12.0 VDC	±42 mA	IHA01xxD12
1 W	±15.0 VDC	±33 mA	IHA01xxD15
1 W	+15 VDC/-9 VDC	+33 mA/-55 mA	IHA01xxD1509

Notes:
For input range: 5V replace xx with 05, e.g. IHA0105S05
9V replace xx with 09 e.g. IHA0109S05
12V replace xx with 12 e.g. IHA012S05
15V replace xx with 15 e.g. IHA0115S05
24V replace xx with 24 e.g. IHA0124S05

IMA01

1 Watt

Medical

- Single & Dual Outputs
- ±10% Input Range
- SIP7 Package
- World Wide Medical Approvals
- 4000VAC Isolation, 1 x MOPP
- 2 µA Patient Leakage Current
- -40 °C to +75 °C Operation
- Full Load at +75 °C Ambient
- MTBF 2.5MHrs
- 3 Year Warranty

Dimensions:

IMA01: 0.77 x 0.36 x 0.44 in (19.5 x 9.2 x 11.1 mm)

Power	Output Voltage	Output Current	Model
1 W	3.3 VDC	303 mA	IMA01xxS3V3
1 W	5.0 VDC	200 mA	IMA01xxS05
1 W	9.0 VDC	111 mA	IMA01xxS09
1 W	12.0 VDC	83.3 mA	IMA01xxS12
1 W	15.0 VDC	67.7 mA	IMA01xxS15
1 W	±3.3 VDC	±150 mA	IMA01xxD03
1 W	±5.0 VDC	±100 mA	IMA01xxD05
1 W	±9.0 VDC	±55.5 mA	IMA01xxD09
1 W	±12.0 VDC	±41.6 mA	IMA01xxD12
1 W	±15.0 VDC	±3.33 mA	IMA01xxD15

Notes:
For input range: 5V replace xx with 05, e.g. IMA0105S05
12V replace xx with 12 e.g. IMA0112S05
15V replace xx with 15 e.g. IMA0115S05
24V replace xx with 24 e.g. IMA0124S05

IMM01

1 Watt

Medical

- Regulated Single & Dual Outputs
- Wide 2:1 Input Range
- SIP7 Package
- World Wide Medical Approvals
- 1500VAC Isolation, 1 x MOPP
- 2 µA Patient Leakage Current
- -20 °C to +100 °C Operation
- MTBF 1MHrs
- 3 Year Warranty

Dimensions:

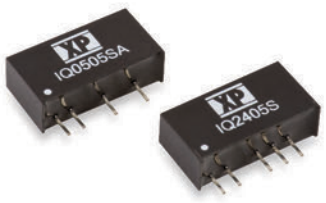
IMM01: 0.76 x 0.36 x 0.44 in (19.5 x 9.2 x 11.1 mm)

Power	Output Voltage	Output Current	Model
1 W	3.3 VDC	303 mA	IMM01xxS3V3
1 W	5.0 VDC	200 mA	IMM01xxS05
1 W	12.0 VDC	83 mA	IMM01xxS12
1 W	15.0 VDC	67 mA	IMM01xxS15
1 W	±3.3 VDC	±150 mA	IMM01xxD03
1 W	±5.0 VDC	±100 mA	IMM01xxD05
1 W	±12.0 VDC	±42 mA	IMM01xxD12
1 W	±15.0 VDC	±33 mA	IMM01xxD15

Notes:
For input range: 5V replace xx with 05, e.g. IMM0105S3V3
12V replace xx with 12 e.g. IMM0112S3V3

IQ

1 Watt



- Semi-regulated Single & Dual Outputs
- ±10% Input Range
- SIP7 Package
- 1000VDC Isolation
- Optional 3000VDC Isolation
- -40 °C to +85 °C Operation
- 3 Year Warranty

Power	Output Voltage	Output Current	Model
1 W	5.0 VDC	200 mA	IQxx05SA
1 W	9.0 VDC	111 mA	IQxx09SA
1 W	12.0 VDC	83 mA	IQxx12SA
1 W	15.0 VDC	67 mA	IQxx15SA

Dimensions:

IQ: 0.76 x 0.39 x 0.24 in (19.5 x 10.0 x 6.0 mm)

Notes:
For input range: 5V replace xx with 05, e.g. IQ0505SA
12V replace xx with 12 e.g. IQ1205SA
15V replace xx with 15 e.g. IQ1505SA
24V replace xx with 24 e.g. IQ2405SA
48V replace xx with 48 e.g. IQ4805SA
For optional 3 kV DC Isolation, add suffix '-H' to part number.

ISA

1 Watt

- Dual Output
- ±10% Input Range
- SMD Package
- Industry Standard Pinout
- 1500VDC Isolation, 3000VDC Option
- -40 °C to +105 °C Operation
- Tape & Reel Package Available
- 3 Year Warranty

Power	Output Voltage	Output Current	Model
1 W	±5.0 VDC	±100 mA	ISAxx05
1 W	±9.0 VDC	±56 mA	ISAxx09*
1 W	±12.0 VDC	±42 mA	ISAxx12
1 W	±15.0 VDC	±33 mA	ISAxx15
1 W	±24.0 VDC	±21 mA	ISAxx24*
1 W	±15.0 VDC	±33 mA	ISA1515**

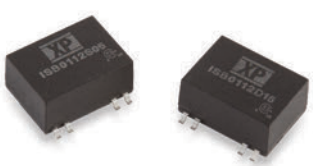
Dimensions:

ISA: 0.600 x 0.440 x 0.285 in (15.24 x 11.20 x 7.25 mm)

Notes:
For input range: 3V replace xx with 03 e.g. ISA0305
5V replace xx with 05 e.g. ISA0505
12V replace xx with 12 e.g. ISA1205
24V replace xx with 24 e.g. ISA2405
For optional 3000 VDC isolation add suffix '-H' e.g. ISA1224-H.
* Output voltages not available for 3.3V input
** 15V nominal input voltage

ISB01

1 Watt



- Regulated Single & Dual Outputs
- Wide 2:1 Input Range
- Compact SMD Package
- 1500VDC Isolation
- -40 °C to +95 °C Operation
- Remote On/Off
- Tape & Reel Package Available
- 3 Year Warranty

Power	Output Voltage	Output Current	Model
1 W	5.0 VDC	200 mA	ISB01xxS05
1 W	12.0 VDC	83 mA	ISB01xxS12
1 W	15.0 VDC	67 mA	ISB01xxS15
1 W	±12.0 VDC	±42 mA	ISB01xxD12
1 W	±15.0 VDC	±33 mA	ISB01xxD15

Dimensions:

ISB01: 0.74 x 0.68 x 0.34 in (18.9 x 17.2 x 8.7 mm)

Notes:
For input range: 5V replace xx with 05 e.g. ISB0105S05
12V replace xx with 12 e.g. ISB0112S05
24V replace xx with 24 e.g. ISB0124S05
48V replace xx with 48 e.g. ISB0148S05

ISE

1 Watt

- Single Output
- ±10% Input Range
- SMD Package
- Industry Standard Pinout
- 1500VDC Isolation, 3000VDC Option
- -40 °C to +105 °C Operation
- Tape & Reel Package Available
- 3 Year Warranty

Dimensions:

ISE: 0.50 x 0.44 x 0.285 in (12.7 x 11.2 x 7.25 mm)

Power	Output Voltage	Output Current	Model
1 W	3.3 VDC	303 mA	ISExx03A
1 W	5.0 VDC	200 mA	ISExx05A
1 W	9.0 VDC	111 mA	ISExx09A
1 W	12.0 VDC	84 mA	ISExx12A
1 W	15.0 VDC	67 mA	ISExx15A
1 W	24.0 VDC	42 mA	ISExx24A

Notes:
For input range: 3.3V replace xx with 03 e.g. ISE0303A
5V replace xx with 05 e.g. ISE0503A
12V replace xx with 12 e.g. ISE1203A
15V replace xx with 15 e.g. ISE1503A
24V replace xx with 24 e.g. ISE2403A
For optional 3000VDC isolation add suffix '-H' e.g. ISE0303A-H.

ISW

1 Watt

- Regulated Single Output
- ±5% Input Range
- SMD Package
- Industry Standard Pinout
- 1500VDC Isolation, 3000VDC Option
- -40 °C to +85 °C Operation
- Tape & Reel Package Available
- 3 Year Warranty

Dimensions:

ISW: 0.60 x 0.44 x 0.285 in (15.24 x 11.2 x 7.25 mm)

Power	Input Voltage	Output Voltage	Output Current	Model
1 W	4.75-5.25 VDC	3.3 VDC	243 mA	ISW0503A
1 W	4.75-5.25 VDC	5.0 VDC	200 mA	ISW0505A
1 W	4.75-5.25 VDC	12.0 VDC	84 mA	ISW0512A
1 W	4.75-5.25 VDC	15.0 VDC	67 mA	ISW0515A
1 W	11.4-12.6 VDC	5.0 VDC	200 mA	ISW1205A
1 W	11.4-12.6 VDC	12.0 VDC	84 mA	ISW1212A
1 W	11.4-12.6 VDC	15.0 VDC	67 mA	ISW1215A*
1 W	22.8-25.2 VDC	5.0 VDC	200 mA	ISW2405A
1 W	22.8-25.2 VDC	12.0 VDC	84 mA	ISW2412A

Notes:
For optional 3000VDC isolation add suffix '-H' e.g. ISW1224A-H.
* '-H' version not available.

ITA

1 Watt

- Dual Output
- ±10% Input Range
- SIP7 Package
- 1500VDC Isolation
- -40 °C to +105 °C Operation
- Full Load to 95 °C Ambient
- Class B Conducted & Radiated Emissions
- MTBF >3.5MHrs
- 3 Year Warranty

Dimensions:

ITA: 0.76 x 0.24 x 0.39 in (19.5 x 6.0 x 10.0 mm)

Power	Output Voltage	Output Current	Model
1 W	±5.0 VDC	±100 mA	ITAxx05S
1 W	±12.0 VDC	±41.6 mA	ITAxx12S
1 W	±15.0 VDC	±33.3 mA	ITAxx15S

Notes:
For input range: 5V replace xx with 05, e.g. ITA0505S
12V replace xx with 12 e.g. ITA1205S
24V replace xx with 24 e.g. ITA2405S

ITB

1 Watt

- Single Output
- ±10% Input Range
- SIP7 Package
- 1500VDC Isolation
- -40 °C to +105 °C Operation
- Full Load at 95 °C Ambient
- Class B Conducted & Radiated Emissions
- MTBF >3.5MHrs
- 3 Year Warranty

Power	Output Voltage	Output Current	Model
1 W	5.0 VDC	200 mA	ITBxx05S
1 W	12.0 VDC	83.3 mA	ITBxx12S
1 W	15.0 VDC	66.7 mA	ITBxx15S

Dimensions:

ITB: 0.76 x 0.24 x 0.39 in (19.5 x 6.0 x 10.0 mm)

Notes:
For input range: 5V replace xx with 05, e.g. ITB0505S
12V replace xx with 12 e.g. ITB1205S
24V replace xx with 24 e.g. ITB2405S

ITV

1 Watt

- Single & Dual Outputs
- ±10% Input Range
- SIP7 Package
- 3000VDC Isolation
- -40 °C to +105 °C Operation
- Full Load at 95 °C Ambient
- Class B Conducted & Radiated Emissions
- MTBF >3.5MHrs
- 3 Year Warranty

Power	Output Voltage	Output Current	Model
1 W	5.0 VDC	200 mA	ITVxx05SA
1 W	12.0 VDC	83.3 mA	ITVxx12SA
1 W	15.0 VDC	66.7 mA	ITVxx15SA
1 W	±5.0 VDC	±100 mA	ITVxx05S
1 W	±12.0 VDC	±41.6 mA	ITVxx12S
1 W	±15.0 VDC	±33.3 mA	ITVxx15S

Dimensions:

ITV: 0.76 x 0.24 x 0.39 in (19.5 x 6.0 x 10.0 mm)

Notes:
For input range: 5V replace xx with 05, e.g. ITV0505SA
12V replace xx with 12 e.g. ITV1205SA
24V replace xx with 24 e.g. ITV2405SA

ITW

1 Watt

- Regulated Single & Dual Outputs
- 2:1 Input Range
- SIP6 Package
- 1500VDC Isolation
- Operating Temperature -40 °C to +105 °C
- No Minimum Load Required
- ITE Safety Approvals
- MTBF >2.8 MHrs
- 3 Year Warranty

Power	Output Voltage	Output Current	Model
1 W	5.0 VDC	200 mA	ITWxx05SA
1 W	12.0 VDC	83 mA	ITWxx12SA
1 W	15.0 VDC	67 mA	ITWxx15SA
1 W	24.0 VDC	42 mA	ITWxx24SA
1 W	±12.0 VDC	±42 mA	ITWxx12S
1 W	±15.0 VDC	±33 mA	ITWxx15S

Dimensions:

ITW: 0.67 x 0.43 x 0.30 in (17.0 x 11.0 x 7.6 mm)

Notes:
For input range: 5V replace xx with 05, e.g. ITW0505SA
12V replace xx with 12 e.g. ITW1205SA
24V replace xx with 24 e.g. ITW2405SA
48V replace xx with 48 e.g. ITW4805SA

IV

1 Watt

- Single & Dual Outputs
- ±10% Input Range
- SIP7 or DIP14 Package
- 3000VDC Isolation
- Optional 4000 or 6000VDC Isolation
- -40 °C to +85 °C Operation
- MTBF >1.1 MHrs
- ITE Safety Approvals
- 3 Year Warranty

Dimensions:

IV SIP: 0.76 x 0.37 x 0.24 in (19.5 x 9.5 x 6.0 mm)
IV DIP: 0.80 x 0.4 x 0.27 in (20.3 x 10.2 x 6.9 mm)

Power	Output Voltage	Output Current	Model
1 W	3.3 VDC	300 mA	IVxx03SA
1 W	5.0 VDC	200 mA	IVxx05SA
1 W	9.0 VDC	112 mA	IVxx09SA
1 W	12.0 VDC	84 mA	IVxx12SA
1 W	15.0 VDC	66 mA	IVxx15SA
1 W	24.0 VDC	42 mA	IVxx24SA

Notes:
For input range: 5V replace xx with 05, e.g. IV0503SA
12V replace xx with 12 e.g. IV1203SA
24V replace xx with 24 e.g. IV2403SA
48V replace xx with 48 e.g. IV4803SA
For DIP package replace 'S' in model number with 'D'.
For dual output delete suffix 'A' & split the output current equally between rails. For optional 4 kV DC Isolation, add suffix '-H4' to part number. For optional 6 kV DC Isolation, add suffix '-H6' to part number.

IW

1 Watt

- Regulated Single & Dual Outputs
- 2:1 Input Range
- SIP8 or DIP16 Package
- 1000VDC Isolation (Optional 3000VDC)
- Continuous Short Circuit Protection
- Optional Metal Case
- Optional Remote On/Off (SIP only)
- ITE Safety Approvals
- 3 Year Warranty

Dimensions:

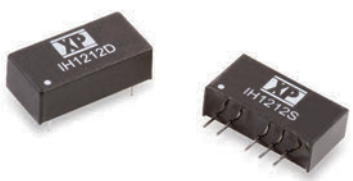
IW SIP: 0.86 x 0.44 x 0.36 in (21.85 x 11.1 x 9.2 mm)
IW DIP: 0.92 x 0.55 x 0.4 in (23.4 x 14.0 x 10.16 mm)

Power	Output Voltage	Output Current	Model
1 W	5.0 VDC	200 mA	IWxx05SA
1 W	12.0 VDC	83 mA	IWxx12SA
1 W	15.0 VDC	67 mA	IWxx15SA
1 W	24.0 VDC	42 mA	IWxx24SA

Notes:
For input range: 5V replace xx with 05, e.g. IW0505SA
12V replace xx with 12 e.g. IW1205SA
24V replace xx with 24 e.g. IW2405SA
48V replace xx with 48 e.g. IW4805SA
For DIP package replace 'S' in model number with 'D'. For dual output delete suffix 'A' & split output current equally between rails. For optional metal case, add suffix '-M'. For optional Remote On/Off on SIP models, add suffix '-R'.

IH

2 Watts



- Dual Output
- ±10% Input Range
- SIP7 or DIP14 Package
- 1000VDC Isolation
- Optional 3000 or 6000VDC Isolation
- -40 °C to +85 °C Operation
- MTBF >1.1MHrs
- 3 Year Warranty

Dimensions:

IH SIP: 0.76 x 0.4 x 0.3 in (19.5 x 10.16 x 7.62 mm)
IH DIP: 0.80 x 0.4 x 0.4 in (20.43 x 10.16 x 10.16 mm)

Power	Output Voltage	Output Current	Model
1.32 W	±3.3 VDC	±200 mA	IHxx03S
2 W	±5.0 VDC	±200 mA	IHxx05S
2 W	±9.0 VDC	±111 mA	IHxx09S
2 W	±12.0 VDC	±84 mA	IHxx12S
2 W	±15.0 VDC	±66 mA	IHxx15S
2 W	±24.0 VDC	±42 mA	IHxx24S

Notes:
For input range: 5V replace xx with 05, e.g. IH0505S
12V replace xx with 12 e.g. IH1205S
24V replace xx with 24 e.g. IH2405S
48V replace xx with 48 e.g. IH4805S
For DIP package, replace 'S' with 'D' in model number. Add suffix 'H' to model number for 3000VDC isolation. For higher VDC isolation, add suffix 'Hx' to model number where x=4 for 4000 VDC isolation, x=5 for 5200VDC isolation and x=6 for 6000 VDC isolation

IHL

2 Watts

- Single & Dual Outputs
- ±10% Input Range
- SIP7 Package
- High Isolation, 5200VDC
- 250VAC/400VDC Working Voltage
- Bipolar Outputs for MOSFET & IGBT Drives
- -40 °C to +95 °C Operation
- MTBF 2.5MHrs
- 3 Year Warranty

Power	Output Voltage	Output Current	Model
1.65 W	3.3 VDC	500 mA	IHL02xxS3V3
2 W	5.0 VDC	400 mA	IHL02xxS05
2 W	9.0 VDC	222 mA	IHL02xxS09
2 W	12.0 VDC	167 mA	IHL02xxS12
2 W	15.0 VDC	133 mA	IHL02xxS15
2 W	±5.0 VDC	±200 mA	IHL02xxD05
2 W	±9.0 VDC	±111 mA	IHL02xxD09
2 W	±12.0 VDC	±83.3 mA	IHL02xxD12
2 W	±15.0 VDC	±66.7 mA	IHL02xxD15
2 W	+15.0/-9.0 VDC	+66.7/-111 mA	IHL02xxD1509

Dimensions:

IHL: 0.77 x 0.28 x 0.39 in (19.5 x 7.2 x 10.0 mm)

Notes:
For input range: 5V replace xx with 05, e.g. IHL0205S05
12V replace xx with 12 e.g. IHL0212S05
15V replace xx with 15 e.g. IHL0215S05
24V replace xx with 24 e.g. IHL0224S05

IL

2 Watts

- Single Output
- ±10% Input Range
- SIP4 Package
- 1000VDC Isolation
- Optional 3000VDC Isolation
- -40 °C to +85 °C Operation
- MTBF >1.2MHrs
- 3 Year Warranty

Power	Output Voltage	Output Current	Model
1.32 W	3.3 VDC	400 mA	ILxx03S
2 W	5.0 VDC	400 mA	ILxx05S
2 W	9.0 VDC	222 mA	ILxx09S
2 W	12.0 VDC	168 mA	ILxx12S
2 W	15.0 VDC	132 mA	ILxx15S
2 W	24.0 VDC	84 mA	ILxx24S

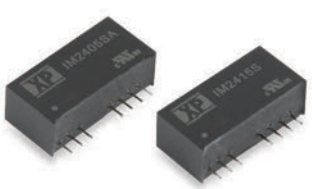
Dimensions:

IL: 0.46 x 0.29 x 0.4 in (11.68 x 7.5 x 10.16 mm)

Notes:
Add suffix 'H' to model for 3000 VDC isolation.
For input range: 5V replace xx with 05, e.g. IL0503S
12V replace xx with 12 e.g. IL1203S
24V replace xx with 24 e.g. IL2403S
48V replace xx with 48 e.g. IL4803S

IM

2 Watts



- Regulated Single & Dual Outputs
- Wide 4:1 Input Range
- SIP9 Package
- 1500VDC Isolation
- -40 °C to +100 °C Operation
- ITE Safety Approvals
- Remote On/Off
- Continuous Short Circuit Protection
- 3 Year Warranty

Power	Output Voltage	Output Current	Model
1.65 W	3.3 VDC	500 mA	IMxx03SA
2 W	5.0 VDC	400 mA	IMxx05SA
2 W	12.0 VDC	165 mA	IMxx12SA
2 W	15.0 VDC	135 mA	IMxx15SA
2 W	±5.0 VDC	±200 mA	IMxx05S
2 W	±12.0 VDC	±85 mA	IMxx12S
2 W	±15.0 VDC	±65 mA	IMxx15S

Dimensions:

IM: 1.02 x 0.49 x 0.36 in (26.0 x 12.5 x 9.2 mm)

Notes:
For input range: 24V replace xx with 24 e.g. IM2403SA
48V replace xx with 48 e.g. IM4812S

IML02

2 Watts

Medical

- Single & Dual Outputs
- ±10% Input Range
- SIP7 Package
- World Wide Medical Approvals
- 4000VAC Isolation, 1 x MOPP
- 2µA Patient Leakage Current
- -40 °C to +85 °C Operation
- Full Load at 85 °C Ambient
- MTBF 2.5MHrs
- 3 Year Warranty

Power	Output Voltage	Output Current	Model
2 W	3.3 VDC	600 mA	IML02xxS3V3
2 W	5.0 VDC	400 mA	IML02xxS05
2 W	9.0 VDC	222 mA	IML02xxS09
2 W	12.0 VDC	167 mA	IML02xxS12
2 W	15.0 VDC	133 mA	IML02xxS15
2 W	±3.3 VDC	±300 mA	IML02xxD03
2 W	±5.0 VDC	±200 mA	IML02xxD05
2 W	±9.0 VDC	±111 mA	IML02xxD09
2 W	±12.0 VDC	±83 mA	IML02xxD12
2 W	±15.0 VDC	±66 mA	IML02xxD15

Dimensions:

IML02: 0.77 x 0.39 x 0.49 in (19.5 x 9.8 x 12.5 mm)

Notes:
For input range: 5V replace xx with 05, e.g. IML0205S09
12V replace xx with 12 e.g. IML0212S09
15V replace xx with 15 e.g. IML0215S09
24V replace xx with 24 e.g. IML0224S09

IMM02

2 Watts

Medical

- Regulated Single & Dual Outputs
- 2:1 Input Range
- SIP8 Package
- World Wide Medical Approvals
- 1500VAC Isolation, 1 x MOPP
- 2µA Patient Leakage Current
- -20 °C to +100 °C Operation
- MTBF 1MHrs
- 3 Year Warranty

Power	Output Voltage	Output Current	Model
2 W	3.3 VDC	606 mA	IMM02xxS3V3
2 W	5.0 VDC	400 mA	IMM02xxS05
2 W	12.0 VDC	167 mA	IMM02xxS12
2 W	15.0 VDC	133 mA	IMM02xxS15
2 W	±3.3 VDC	±303 mA	IMM02xxD03
2 W	±5.0 VDC	±200 mA	IMM02xxD05
2 W	±12.0 VDC	±83 mA	IMM02xxD12
2 W	±15.0 VDC	±66 mA	IMM02xxD15

Dimensions:

IMM02: 0.86 x 0.36 x 0.44 in (21.85 x 9.2 x 11.1 mm)

Notes:
For input range: 5V replace xx with 05 e.g. IMM0205S12
12V replace xx with 12 e.g. IMM0212D03

ISD01-02

1-2 Watts

- Single & Dual Outputs
- ±10% Input Range
- Ultra Compact SMD Package
- 4200VDC Isolation
- 250VAC/400VDC Working Voltage
- -40 °C to +105 °C Operation
- Full Load at +100 °C
- Tape & Reel Package Available
- ITE Safety Approvals
- 3 Year Warranty

Power	Output Voltage	Output Current	Model
1 W	3.3 VDC	303 mA	ISD01xxS3V3
1 W	5.0 VDC	200 mA	ISD01xxS05
1 W	±3.3 VDC	±151 mA	ISD01xxD03
1 W	±5.0 VDC	±100 mA	ISD01xxD05
2 W	3.3 VDC	500 mA	ISD02xxS3V3
2 W	5.0 VDC	400 mA	ISD02xxS05
2 W	±3.3 VDC	±303 mA	ISD02xxD03
2 W	±5.0 VDC	±200 mA	ISD02xxD05

Dimensions:

ISD01/02 Single: 0.50 x 0.44 x 0.27 in (12.7 x 11.2 x 6.85 mm)
ISD01/02 Dual: 0.60 x 0.44 x 0.27 in (15.2 x 11.2 x 6.85 mm)

Notes:
For input range: 3V replace xx with 03 e.g. ISD0103S05/ISD0203S05
5V replace xx with 05 e.g. ISD0105S05/ISD0205S05

ISH

2 Watts

- Single Output
- ±10% Input Range
- SMD Package
- Industry Standard Pinout
- 1500VDC Isolation, 3000VDC Option
- -40 °C to +105 °C Operation
- Tape & Reel Package Available
- 3 Year Warranty

Dimensions:

ISH: 0.500 x 0.44 x 0.285 in (12.7 x 11.2 x 7.25 mm)

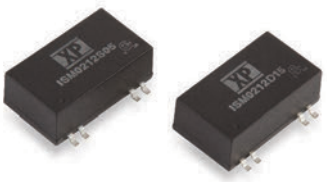
Power	Input Voltage	Output Voltage	Output Current	Model
1.32 W	4.5-5.5 VDC	3.3 VDC	400 mA	ISH0503A
2 W	4.5-5.5 VDC	5.0 VDC	400 mA	ISH0505A
2 W	4.5-5.5 VDC	9.0 VDC	222 mA	ISH0509A
2 W	4.5-5.5 VDC	12.0 VDC	167 mA	ISH0512A
2 W	4.5-5.5 VDC	15.0 VDC	133 mA	ISH0515A
2 W	10.8-13.2 VDC	5.0 VDC	400 mA	ISH1205A
2 W	10.8-13.2 VDC	9.0 VDC	222 mA	ISH1209A*
2 W	10.8-13.2 VDC	12.0 VDC	167 mA	ISH1212A
2 W	10.8-13.2 VDC	15.0 VDC	133 mA	ISH1215A
2 W	10.8-13.2 VDC	24.0 VDC	83 mA	ISH1224A
2 W	13.5-16.5 VDC	15.0 VDC	133 mA	ISH1515A
2 W	21.6-26.4 VDC	5.0 VDC	400 mA	ISH2405A
2 W	21.6-26.4 VDC	12.0 VDC	167 mA	ISH2412A
2 W	21.6-26.4 VDC	15.0 VDC	133 mA	ISH2415A
2 W	21.6-26.4 VDC	24.0 VDC	83 mA	ISH2424A

Notes:
For optional 3000VDC isolation add suffix '-H' e.g. ISH1224A-H.
* '-H' version not available.

ISM01-02

1-2 Watts

Medical



- Single & Dual Outputs
- ±10% Input Range
- Compact SMD Package
- World Wide Medical Approvals
- 4000VAC Reinforced Isolation
- 1 x MOPP
- 2 µA Patient Leakage Current
- -25 °C to +105 °C Operation
- Tape & Reel Package Available
- 3 Year Warranty

Dimensions:

ISM01: 0.74 x 0.68 x 0.41 in (18.9 x 17.2 x 10.5 mm)
ISM02: 0.94 x 0.71 x 0.36 in (24.0 x 18.0 x 9.0 mm)

Power	Output Voltage	Output Current	Model
1 W	5.0 VDC	200 mA	ISM01xxS05
1 W	12.0 VDC	84 mA	ISM01xxS12
1 W	15.0 VDC	68 mA	ISM01xxS15
1 W	±12.0 VDC	±42 mA	ISM01xxD12
1 W	±15.0 VDC	±33 mA	ISM01xxD15

Power	Output Voltage	Output Current	Model
2 W	5.0 VDC	400 mA	ISM02xxS05
2 W	12.0 VDC	165 mA	ISM02xxS12
2 W	15.0 VDC	133 mA	ISM02xxS15
2 W	±12.0 VDC	±83 mA	ISM02xxD12
2 W	±15.0 VDC	±66 mA	ISM02xxD15

Notes:
For input range: 5V replace xx with 05 e.g. ISM0105S05
12V replace xx with 12 e.g. ISM0212S05
24V replace xx with 24 e.g. ISM0224D12
For optional tape & reel package add suffix '-TR' e.g. ISM0105S05 -TR.
For optional water washable version add suffix '-P', e.g.ISM0112S05-P

ISP

2 Watts

- Regulated Single & Dual Outputs
- 2:1 Input Range
- SMD Package
- Industry Standard Pinout
- 1500VDC Isolation
- -40 °C to +85 °C Operation
- Tape & Reel Package Available
- 3 Year Warranty

Dimensions:

ISP: 0.94 x 0.54 x 0.29 in (23.86 x 15.24 x 7.50 mm)

Power	Output Voltage	Output Current	Model
2 W	3.3 VDC	500 mA	ISPxx03A
2 W	5.0 VDC	400 mA	ISPxx05A
2 W	12.0 VDC	167 mA	ISPxx12A
2 W	±5.0 VDC	±200 mA	ISPxx05
2 W	±12.0 VDC	±83 mA	ISPxx12
2 W	±15.0 VDC	±67 mA	ISPxx15

Notes:
For input range: 12V replace xx with 12 e.g. ISP1203A
24V replace xx with 24 e.g. ISP2403A

ISQ

2 Watts

- Single Output
- ±10% Input Range
- SMD Package
- Industry Standard Pinout
- 6000VDC Isolation
- -40 °C to +85 °C Operation
- MTBF >3.5MHrs
- Tape & Reel Package Available
- 3 Year Warranty

Power	Input Voltage	Output Voltage	Output Current	Model
2 W	5.0 VDC	5.0 VDC	400 mA	ISQ0505A
2 W	12.0 VDC	5.0 VDC	400 mA	ISQ1205A
2 W	12.0 VDC	15.0 VDC	133 mA	ISQ1215A
2 W	24.0 VDC	5.0 VDC	400 mA	ISQ2405A
2 W	24.0 VDC	12.0 VDC	167 mA	ISQ2412A
2 W	24.0 VDC	15.0 VDC	133 mA	ISQ2415A

Dimensions:

ISQ: 0.94 x 0.54 x 0.29 in (23.86 x 15.24 x 7.50 mm)

IU

2 Watts

- Regulated Single & Dual Outputs
- 2:1 Input Range
- SIP8 or DIP16 Package
- 1000VDC Isolation (Optional 3000VDC)
- Optional Metal Case
- Optional Remote On/Off (SIP only)
- Continuous Short Circuit Protection
- ITE Safety Approvals
- 3 Year Warranty

Power	Output Voltage	Output Current	Model
2 W	3.3 VDC	500 mA	IUxx03SA
2 W	5.0 VDC	400 mA	IUxx05SA
2 W	9.0 VDC	222 mA	IUxx09SA
2 W	12.0 VDC	167 mA	IUxx12SA
2 W	15.0 VDC	133 mA	IUxx15SA
2 W	24.0 VDC	83 mA	IUxx24SA

Dimensions:

IU SIP: 0.86 x 0.44 x 0.36 in (21.85 x 11.1 x 9.2 mm)
IU DIP: 0.92 x 0.55 x 0.4 in (23.4 x 14.0 x 10.16 mm)

Notes:
For input range: 5V replace xx with 05, e.g. IU0505SA
12V replace xx with 12 e.g. IU1205SA
24V replace xx with 24 e.g. IU2405SA
48V replace xx with 48 e.g. IU4805SA
For DIP package replace 'S' in model number with 'D'. For optional 3kV isolation add suffix '-H' to the model number. For dual output delete suffix 'A' & split output current equally between rails. For optional Remote On/Off on SIP models, add suffix '-R' to model number. For optional metal case, add suffix '-M' to model number.

IEU02-03

2-3 Watts

- Regulated Single & Dual Outputs
- 2:1 Input Range
- Compact DIP8 Package
- 1500VDC Isolation
- -40 °C to +95 °C Operation
- Full Load at 70 °C
- ITE Safety Approvals
- 3 Year Warranty

Power	Output Voltage	Output Current	Model
1.32 W	3.3 VDC	400 mA	IEU02xxS3V3
2 W	5.0 VDC	400 mA	IEU02xxS05
2 W	12.0 VDC	167 mA	IEU02xxS12
2 W	15.0 VDC	134 mA	IEU02xxS15
2 W	±5.0 VDC	±200 mA	IEU02xxD05
2 W	±12.0 VDC	±83 mA	IEU02xxD12
2 W	±15.0 VDC	±67 mA	IEU02xxD15
1.98 W	3.3 VDC	600 mA	IEU03xxS3V3
3 W	5.0 VDC	600 mA	IEU03xxS05
3 W	12.0 VDC	250 mA	IEU03xxS12
3 W	15.0 VDC	200 mA	IEU03xxS15
3 W	±5.0 VDC	±300 mA	IEU03xxD05
3 W	±12.0 VDC	±125 mA	IEU03xxD12
3 W	±15.0 VDC	±100 mA	IEU03xxD15

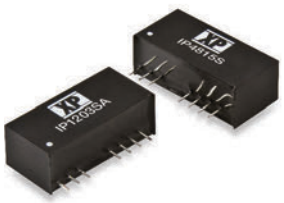
Dimensions:

IEU03/03: 0.55 x 0.55 x 0.31 in (14.0 x 14.0 x 8.0 mm)

Notes:
For input range: 5V replace xx with 05, e.g. IEU0305S05
12V replace xx with 12 e.g. IEU0312S05
24V replace xx with 24 e.g. IEU0324S05
48V replace xx with 48 e.g. IEU0348S05

IP

3 Watts



- Regulated Single & Dual Outputs
- Wide 4:1 Input Range
- SIP8 Package
- 1600VDC Isolation
- -40 °C to 85 °C Operation
- Remote On/Off
- 3 Year Warranty

Power	Output Voltage	Output Current	Model
3 W	3.3 VDC	700 mA	IPxx03SA
3 W	5.0 VDC	600 mA	IPxx05SA
3 W	12.0 VDC	250 mA	IPxx12SA
3 W	15.0 VDC	200 mA	IPxx15SA
3 W	±5.0 VDC	±300 mA	IPxx05S
3 W	±12.0 VDC	±125 mA	IPxx12S
3 W	±15.0 VDC	±100 mA	IPxx15S

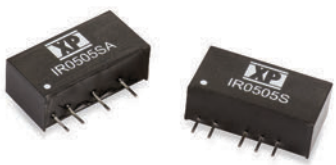
Dimensions:

IP: 0.86 x 0.44 x 0.36 in (21.85 x 11.1 x 9.2 mm)

Notes:
For input range: 12V replace xx with 12, e.g. IP1205SA
24V replace xx with 24 e.g. IP2405SA
48V replace xx with 48 e.g. IP4805SA

IR

3 Watts



- Semi-regulated Single & Dual Outputs
- ±10% Input Range
- SIP7 Package
- 1000VDC Isolation
- Optional 3000VDC Isolation
- -40 °C to +85 °C Operation
- 3 Year Warranty

Power	Output Voltage	Output Current	Model
3 W	5.0 VDC	600 mA	IRxx05SA
3 W	9.0 VDC	333 mA	IRxx09SA
3 W	12.0 VDC	250 mA	IRxx12SA
3 W	15.0 VDC	200 mA	IRxx15SA
3 W	±5.0 VDC	±300 mA	IRxx05S
3 W	±9.0 VDC	±167 mA	IRxx09S
3 W	±12.0 VDC	±125 mA	IRxx12S
3 W	±15.0 VDC	±100 mA	IRxx15S

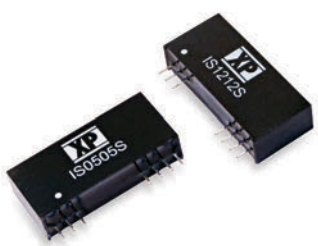
Dimensions:

IR: 0.76 x 0.39 x 0.28 in (19.5 x 10.0 x 7.20 mm)

Notes:
For input range: 5V replace xx with 05 e.g. IR0509SA
12V replace xx with 12 e.g. IR1212S
For optional 3000VDC isolation, add suffix '-H'

IS

3 Watts



- Regulated Single Output
- ±10% Input Range
- SIP12 Package
- 1000VDC Isolation
- Optional 3000VDC Isolation
- Continuous Short Circuit Protection
- MTBF >1.1MHrs
- 3 Year Warranty

Power	Output Voltage	Output Current	Model
3 W	3.3 VDC	600 mA	ISxx03SA
3 W	5.0 VDC	600 mA	ISxx05SA
3 W	9.0 VDC	333 mA	ISxx09SA
3 W	12.0 VDC	250 mA	ISxx12SA
3 W	15.0 VDC	200 mA	ISxx15SA
3 W	24.0 VDC	125 mA	ISxx24SA

Dimensions:

IS: 1.26 x 0.57 x 0.32 in (32.0 x 14.5 x 8.0 mm)

Notes:
Add suffix '-H' to model number for 3000VDC isolation.
For input range: 5V replace xx with 05, e.g. IS0505SA
12V replace xx with 12 e.g. IS1205SA
24V replace xx with 24 e.g. IS2405SA

ISC03

3 Watts

- Regulated Single & Dual Outputs
- Wide 4:1 Input Range
- Compact SMD Package
- 1500VDC Isolation
- -40 °C to +100 °C Operation
- Remote On/Off
- Tape & Reel Package Available
- 3 Year Warranty

Power	Output Voltage	Output Current	Model
3 W	3.3 VDC	600 mA	ISC03xxS3V3
3 W	5.0 VDC	600 mA	ISC03xxS05
3 W	12.0 VDC	250 mA	ISC03xxS12
3 W	15.0 VDC	200 mA	ISC03xxS15
3 W	24.0 VDC	125 mA	ISC03xxS24
3 W	±5.0 VDC	±300 mA	ISC03xxD05
3 W	±12.0 VDC	±125 mA	ISC03xxD12
3 W	±15.0 VDC	±100 mA	ISC03xxD15

Dimensions:

ISC: 0.94 x 0.71 x 0.32 in (24.00 x 18.10 x 8.25 mm)

Notes:
For input range: 24V replace xx with 24 e.g. ISC0324S05
48V replace xx with 48 e.g. ISC0348S05

ISR

3 Watts

- Regulated Single Output
- 2:1 Input Range
- SMD Package
- Industry Standard Pinout
- 1500VDC Isolation, 3000VDC Option
- -40 °C to +95 °C Operation
- Tape & Reel Package Available
- 3 Year Warranty

Power	Output Voltage	Output Current	Model
3 W	5.0 VDC	600 mA	ISRxx05A
3 W	12.0 VDC	250 mA	ISRxx12A
3 W	15.0 VDC	200 mA	ISRxx15A

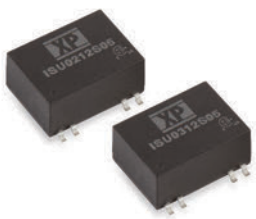
Dimensions:

ISR: 0.94 x 0.765 x 0.31 in (23.86 x 19.42 x 8.0 mm)

Notes:
For input range: 12V replace xx with 12 e.g. ISR1205A
24V replace xx with 24 e.g. ISR2405A
48V replace xx with 48 e.g. ISR4805A

ISU02-03

2-3 Watts



- Regulated Single & Dual Outputs
- Wide 4:1 Input Range
- Compact SMD Package
- 1500VDC Isolation
- -40 °C to +95 °C Operation
- ITE Safety Approvals
- Remote On/Off
- Tape & Reel Package Available
- 3 Year Warranty

Power	Output Voltage	Output Current	Model
2 W	5.0 VDC	400 mA	ISU02xxS05
2 W	12.0 VDC	167 mA	ISU02xxS12
2 W	15.0 VDC	134 mA	ISU02xxS15
2 W	24.0 VDC	83 mA	ISU02xxS24
2 W	±12.0 VDC	±83 mA	ISU02xxD12
2 W	±15.0 VDC	±67 mA	ISU02xxD15

Power	Output Voltage	Output Current	Model
3 W	5.0 VDC	600 mA	ISU03xxS05
3 W	12.0 VDC	250 mA	ISU03xxS12
3 W	15.0 VDC	200 mA	ISU03xxS15
3 W	24.0 VDC	125 mA	ISU03xxS24
3 W	±12.0 VDC	±125 mA	ISU03xxD12
3 W	±15.0 VDC	±100 mA	ISU03xxD15

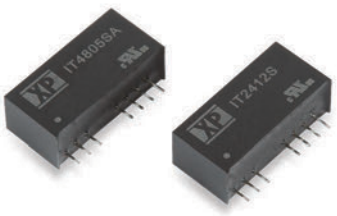
Notes:
Input currents measured at nominal input voltage.
For input range: 5V replace xx with 5 e.g. ISU0205S05/ISU0305S05
24V replace xx with 24 e.g. ISU0224S05/ISU0324S05
48V replace xx with 48 e.g. ISU0248S05/ISU0348S05

Dimensions:

ISU02/03: 0.75 x 0.67 x 0.34 in (19.0 x 17.0 x 8.7 mm)

IT

3 Watts



- Regulated Single & Dual Outputs
- Wide 4:1 Input Range
- SIP8 Package
- 1500VDC Isolation
- -40 °C to +100 °C Operation
- Remote On/Off
- ITE Safety Approvals
- 3 Year Warranty

Power	Output Voltage	Output Current	Model
2.31 W	3.3 VDC	700 mA	ITxx03SA
3 W	5.0 VDC	600 mA	ITxx05SA
3 W	12.0 VDC	250 mA	ITxx12SA
3 W	15.0 VDC	200 mA	ITxx15SA
3 W	±5.0 VDC	±300 mA	ITxx05S
3 W	±12.0 VDC	±125 mA	ITxx12S
3 W	±15.0 VDC	±100 mA	ITxx15S

Dimensions:

IT: 1.02 x 0.49 x 0.36 in (26.0 x 12.5 x 9.2 mm)

Notes:
For input range: 24V replace xx with 24 e.g. IT2412SA
48V replace xx with 48 e.g. IT4805S

IZ

3 Watts

- Regulated Single & Dual Outputs
- 2:1 Input Range
- SIP8 Package
- 1600VDC Isolation
- Continuous Short Circuit Protection
- Remote On/Off
- ITE Safety Approvals
- 3 Year Warranty

Power	Output Voltage	Output Current	Model
2.31 W	3.3 VDC	700 mA	IZxx03SA
3 W	5.0 VDC	600 mA	IZxx05SA
3 W	12.0 VDC	250 mA	IZxx12SA
3 W	15.0 VDC	200 mA	IZxx15SA
3 W	±5.0 VDC	±300 mA	IZxx05S
3 W	±12.0 VDC	±125 mA	IZxx12S
3 W	±15.0 VDC	±100 mA	IZxx15S

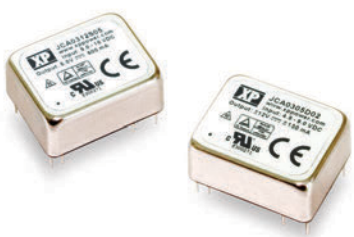
Dimensions:

IZ: 0.86 x 0.44 x 0.36 in (21.85 x 11.1 x 9.2 mm)

Notes:
For optional metal case, add suffix '-M' to model number.
For input range: 5V replace xx with 05, e.g. IZ0503SA
12V replace xx with 12, e.g. IZ1203SA
24V replace xx with 24 e.g. IZ2403SA
48V replace xx with 48 e.g. IZ4803SA

JCA02-03

2-3 Watts



- Regulated Single & Dual Outputs
- 2:1 Input Range
- Compact 1.0" x 0.8" Metal Package
- Industry Standard DIP24 Pin Out
- ITE Safety Approvals
- 1500VDC Basic Isolation
- -40 °C to +100 °C Operation
- 3 Year Warranty

Power	Output Voltage	Output Current	Model
2 W	3.3 VDC	0.600 A	JCA02xxS03
2 W	5.0 VDC	0.400 A	JCA02xxS05
2 W	12.0 VDC	0.170 A	JCA02xxS12
2 W	15.0 VDC	0.140 A	JCA02xxS15
2 W	±5.0 VDC	±0.200 A	JCA02xxD01
2 W	±12.0 VDC	±0.085 A	JCA02xxD02
2 W	±15.0 VDC	±0.070 A	JCA02xxD03
3 W	3.3 VDC	0.910 A	JCA03xxS03
3 W	5.0 VDC	0.600 A	JCA03xxS05
3 W	12.0 VDC	0.260 A	JCA03xxS12
3 W	15.0 VDC	0.200 A	JCA03xxS15
3 W	±5.0 VDC	±0.300 A	JCA03xxD01
3 W	±12.0 VDC	±0.130 A	JCA03xxD02
3 W	±15.0 VDC	±0.100 A	JCA03xxD03

Dimensions:

JCA02-03: 1.0 x 0.8 x 0.4 in (25.4 x 20.3 x 10.0 mm)

Notes:
For input range: 5V replace xx with 05 e.g. JCA0205S05
12V replace xx with 12 e.g. JCA0212S05
24V replace xx with 24 e.g. JCA0224S05
48V replace xx with 48 e.g. JCA0248S05

JCE03

3 Watts

- Regulated Single & Dual Outputs
- 2:1 Input Range
- DIP24 Plastic Case
- 1500VDC Isolation, 3000VDC Option
- -40 °C to +100 °C Operation
- No Minimum Load Required
- ITE Safety Approvals
- 3 Year Warranty

Power	Output Voltage	Output Current	Model
3 W	3.3 VDC	900 mA	JCE03xxS3V3
3 W	5.0 VDC	600 mA	JCE03xxS05
3 W	12.0 VDC	250 mA	JCE03xxS12
3 W	15.0 VDC	200 mA	JCE03xxS15
3 W	24.0 VDC	125 mA	JCE03xxS24
3 W	±3.3 VDC	±450 mA	JCE03xxD03
3 W	±5.0 VDC	±300 mA	JCE03xxD05
3 W	±12.0 VDC	±125 mA	JCE03xxD12
3 W	±15.0 VDC	±100 mA	JCE03xxD15
3 W	±24.0 VDC	±63 mA	JCE03xxD24

Dimensions:

JCE03: 1.25 x 0.80 x 0.40 in (31.75 x 20.32 x 10.16 mm)

Notes:
For input range: 12V replace xx with 12 e.g. JCE0312S05
24V replace xx with 24 e.g. JCE0324S05
48V replace xx with 48 e.g. JCE0348S05
For optional 3000VDC isolation add suffix '-H' to model number.

JTE03

3 Watts

- Regulated Single & Dual Outputs
- Wide 4:1 Input Range
- DIP24 Plastic Case
- 1500VDC Isolation, 3000VDC Option
- -40 °C to +100 °C Operation
- Fully Regulated Output
- No Minimum Load Required
- ITE Safety Approvals
- 3 Year Warranty

Power	Output Voltage	Output Current	Model
3 W	3.3 VDC	900 mA	JTE03xxS3V3
3 W	5.0 VDC	600 mA	JTE03xxS05
3 W	12.0 VDC	250 mA	JTE03xxS12
3 W	15.0 VDC	200 mA	JTE03xxS15
3 W	24.0 VDC	125 mA	JTE03xxS24
3 W	±3.3 VDC	±450 mA	JTE03xxD03
3 W	±5.0 VDC	±300 mA	JTE03xxD05
3 W	±12.0 VDC	±125 mA	JTE03xxD12
3 W	±15.0 VDC	±100 mA	JTE03xxD15
3 W	±24.0 VDC	±63 mA	JTE03xxD24

Dimensions:

JTE03: 1.25 x 0.80 x 0.40 in (31.75 x 20.32 x 10.16 mm)

Notes:
For input range: 24V replace xx with 24 e.g. JTE0324S05
48V replace xx with 48 e.g. JTE0348S05
For optional 3000VDC isolation add suffix '-H' to model number.

JCD04

4 Watts

- Regulated Single & Dual Outputs
- 2:1 Input Range
- Industry Standard DIP24 Package
- 1600VDC Isolation
- Continuous Short Circuit Protection
- -40 °C to +100 °C Operation
- Optional 3500VDC Isolation
- ITE Safety Approvals
- 3 Year Warranty

Power	Output Voltage	Output Current	Model
4 W	3.3 VDC	1200 mA	JCD04xxS3V3
4 W	5.0 VDC	800 mA	JCD04xxS05
4 W	9.0 VDC	444 mA	JCD04xxS09*
4 W	12.0 VDC	333 mA	JCD04xxS12
4 W	15.0 VDC	266 mA	JCD04xxS15
4 W	24.0 VDC	166 mA	JCD04xxS24*
4 W	±3.3 VDC	±600 mA	JCD04xxD03
4 W	±5.0 VDC	±400 mA	JCD04xxD05
4 W	±9.0 VDC	±220 mA	JCD04xxD09*
4 W	±12.0 VDC	±166 mA	JCD04xxD12
4 W	±15.0 VDC	±133 mA	JCD04xxD15
4 W	±24.0 VDC	±83 mA	JCD04xxD24*

Dimensions:

JCD04: 1.25 x 0.8 x 0.4 in (31.75 x 20.32 x 10.16 mm)

Notes:
For input range: 5V replace xx with 05, e.g. JCD0405S05
12V replace xx with 12 e.g. JCD0412S05
24V replace xx with 24 e.g. JCD0424S05
48V replace xx with 48 e.g. JCD0448S05
For optional 3500VDC isolation add suffix -H to part number.
*Not available in 5V input versions

JTC04

4 Watts

- Regulated Single & Dual Outputs
- Wide 4:1 Input Range
- DIP24 Metal Package
- 1500VDC Isolation, 3500VDC Option
- -40 °C to +100 °C Operation
- Continuous Short Circuit Protection
- 3 Year Warranty

Dimensions:

JTC04: 1.25 x 0.8 x 0.4 in (31.75 x 20.32 x 10.4 mm)

Power	Output Voltage	Output Current	Model
4 W	3.3 VDC	1200 mA	JTC04xxS3V3
4 W	5.0 VDC	800 mA	JTC04xxS05
4 W	9.0 VDC	445 mA	JTC04xxS09
4 W	12.0 VDC	333 mA	JTC04xxS12
4 W	15.0 VDC	267 mA	JTC04xxS15
4 W	18.0 VDC	223 mA	JTC04xxS18
4 W	24.0 VDC	167 mA	JTC04xxS24
4 W	±3.3 VDC	±606 mA	JTC04xxD03
4 W	±5.0 VDC	±400 mA	JTC04xxD05
4 W	±9.0 VDC	±222 mA	JTC04xxD09
4 W	±12.0 VDC	±167 mA	JTC04xxD12
4 W	±15.0 VDC	±134 mA	JTC04xxD15
4 W	±24.0 VDC	±84 mA	JTC04xxD24

Notes:
For input range: 24V replace xx with 24 e.g. JTC0424S05
48V replace xx with 48 e.g. JTC0448S05
For optional 3500VDC isolation add suffix '-H' to model number. For optional plastic case, add suffix'-P' to model number. For both options add suffix '-HP to model number.

IEQ05

5 Watts

- Regulated Single & Dual Outputs
- Wide 4:1 Input Range
- SIP8 Package
- 1500VDC Isolation
- Optional 3500VDC Isolation
- -40 °C to +90 °C Operation
- Remote On/Off
- 3 Year Warranty

Dimensions:

IEQ05: 0.86 x 0.37 x 0.44 in (21.8 x 9.3 x 11.2 mm)

Power	Output Voltage	Output Current	Model
3.55 W	3.3 VDC	1075 mA	IEQ05xxS3V3
5 W	5.0 VDC	1000 mA	IEQ05xxS05
5 W	12.0 VDC	417 mA	IEQ05xxS12
5 W	15.0 VDC	334 mA	IEQ05xxS15
5 W	24.0 VDC	209 mA	IEQ05xxS24
5 W	±12.0 VDC	±209 mA	IEQ05xxD12
5 W	±15.0 VDC	±167 mA	IEQ05xxD15

Notes:
For input range: 12V replace xx with 12, e.g. IEQ0512S05
24V replace xx with 24 e.g. IEQ0524S05
48V replace xx with 48 e.g. IEQ0548S05

JCD05

5 Watts

- Regulated Single & Dual Outputs
- 2:1 Input Range
- Industry Standard DIP24 Package
- 1600VDC Isolation
- Optional 3500VDC Isolation
- -40 °C to +100 °C Operation
- Continuous Short Circuit Protection
- ITE Safety Approvals
- 3 Year Warranty

Dimensions:

JCD05: 1.25 x 0.8 x 0.4 in (31.75 x 20.32 x 10.16 mm)

Power	Output Voltage	Output Current	Model
4.29 W	3.3 VDC	1300 mA	JCD05xxS3V3
5 W	5.0 VDC	1000 mA	JCD05xxS05
5 W	9.0 VDC	555 mA	JCD05xxS09*
5 W	12.0 VDC	417 mA	JCD05xxS12
5 W	15.0 VDC	333 mA	JCD05xxS15
5 W	24.0 VDC	208 mA	JCD05xxS24*
5 W	±3.3 VDC	±750 mA	JCD05xxD03
5 W	±5.0 VDC	±500 mA	JCD05xxD05
5 W	±9.0 VDC	±278 mA	JCD05xxD09*
5 W	±12.0 VDC	±208 mA	JCD05xxD12
5 W	±15.0 VDC	±167 mA	JCD05xxD15
5 W	±24.0 VDC	±104 mA	JCD05xxD24*

Notes:
For input range: 5V replace xx with 05, e.g. JCD0505S05
12V replace xx with 12 e.g. JCD0512S05
24V replace xx with 24 e.g. JCD0524S05
48V replace xx with 48 e.g. JCD0548S05
For optional 3500VDC isolation add suffix -H to part number.
*Not available in 5V input versions

ISX06

6 Watts

- Regulated Single & Dual Outputs
- Wide 4:1 Input Range
- Compact SMD Package
- 1500VDC Isolation
- -40 °C to +100 °C Operation
- Remote On/Off
- Tape & Reel Package Available
- 3 Year Warranty

Power	Output Voltage	Output Current	Model
4.78 W	3.3 VDC	1450 mA	ISX06xxS3V3
6 W	5.0 VDC	1200 mA	ISX06xxS05
6 W	12.0 VDC	500 mA	ISX06xxS12
6 W	15.0 VDC	400 mA	ISX06xxS15
6 W	24.0 VDC	250 mA	ISX06xxS24
6 W	±5.0 VDC	±600 mA	ISX06xxD05
6 W	±12.0 VDC	±250 mA	ISX06xxD12
6 W	±15.0 VDC	±200 mA	ISX06xxD15

Dimensions:

ISX06: 1.0 x 0.87 x 0.4 in (25.4 x 22.0 x 10.2 mm)

Notes:
For input range: 24V replace xx with 24 e.g. ISX0624S05
48V replace xx with 48 e.g. ISX0648S05

ITQ

6 Watts

- Regulated Single & Dual Outputs
- Wide 4:1 Input Range
- SIP8 Plastic Case
- 1500VDC Isolation
- Optional 3000VDC Version
- -40 °C to +100 °C Operation
- Remote On/Off
- ITE Safety Approvals
- 3 Year Warranty

Power	Output Voltage	Output Current	Model
5 W	3.3 VDC	1500 mA	ITQxx03SA
6 W	5.0 VDC	1200 mA	ITQxx05SA
6 W	9.0 VDC	666 mA	ITQxx09SA
6 W	12.0 VDC	500 mA	ITQxx12SA
6 W	15.0 VDC	400 mA	ITQxx15SA
6 W	24.0 VDC	250 mA	ITQxx24SA
6 W	±5.0 VDC	±600 mA	ITQxx05S
6 W	±12.0 VDC	±250 mA	ITQxx12S
6 W	±15.0 VDC	±200 mA	ITQxx15S

Dimensions:

ITQ: 0.86 x 0.36 x 0.44 in (21.9 x 9.2 x 11.1 mm)

Notes:
For input range: 24V replace xx with 24 e.g. ITQ2405SA
48V replace xx with 48 e.g. ITQ4805SA
For optional 3000VDC isolation add suffix -H to part number.

ITX

6 Watts

- Regulated Single & Dual Outputs
- 2:1 Input Range
- SIP8 Plastic Case
- 1500VDC Isolation, 3000VDC Option
- -40 °C to +90 °C Operation
- Remote Control Option
- ITE Safety Approvals
- 3 Year Warranty

Power	Output Voltage	Output Current	Model
4.29 W	3.3 VDC	1300 mA	ITXxx03SA
6 W	5.0 VDC	1200 mA	ITXxx05SA
6 W	9.0 VDC	666 mA	ITXxx09SA
6 W	12.0 VDC	500 mA	ITXxx12SA
6 W	15.0 VDC	400 mA	ITXxx15SA
6 W	24.0 VDC	250 mA	ITXxx24SA
6 W	±5.0 VDC	±600 mA	ITXxx05S
6 W	±12.0 VDC	±250 mA	ITXxx12S
6 W	±15.0 VDC	±200 mA	ITXxx15S

Dimensions:

ITX: 0.86 x 0.44 x 0.36 in (21.85 x 11.1 x 9.2 mm)

Notes:
For input range: 5V replace xx with 05, e.g. ITX0505SA
12V replace xx with 24 e.g. ITX1205SA
24V replace xx with 48 e.g. ITX2405SA
48V replace xx with 48 e.g. ITX4805SA
For optional 3000 VDC isolation add suffix '-H' to end of part number e.g. ITX1205SA-H. For optional remote control add suffix '-R' to end of part number e.g. ITX2412S-HR.

JCD06

6 Watts

- Regulated Single & Dual Outputs
- Wide 4:1 Input Range
- Industry Standard DIP24 Package
- 1500VDC Isolation
- Optional 3000VDC Isolation
- Continuous Short Circuit Protection
- -40 °C to +100 °C Operation
- ITE Safety Approvals
- 3 Year Warranty

Dimensions:

JCD06: 1.25 x 0.8 x 0.4 in (31.75 x 20.32 x 10.16 mm)

Power	Output Voltage	Output Current	Model
4.62 W	3.3 VDC	1400 mA	JCD06xxS3V3
6 W	5.0 VDC	1200 mA	JCD06xxS05
6 W	9.0 VDC	666 mA	JCD06xxS09*
6 W	12.0 VDC	500 mA	JCD06xxS12
6 W	15.0 VDC	400 mA	JCD06xxS15
6 W	24.0 VDC	250 mA	JCD06xxS24*
6 W	±3.3 VDC	±909 mA	JCD06xxD03
6 W	±5.0 VDC	±600 mA	JCD06xxD05
6 W	±9.0 VDC	±333 mA	JCD06xxD09*
6 W	±12.0 VDC	±250 mA	JCD06xxD12
6 W	±15.0 VDC	±200 mA	JCD06xxD15
6 W	±24.0 VDC	±125 mA	JCD06xxD24*

Notes:
For input range: 5V replace xx with 05, e.g. JCD0605S05
12V replace xx with 12 e.g. JCD0612S05
24V replace xx with 24 e.g. JCD0624S05
48V replace xx with 48 e.g. JCD0648S05
For optional 3000VDC isolation add suffix -H to part number.
*Not available in 5V input versions

JCE06

6 Watts

- Regulated Single & Dual Outputs
- 2:1 Input Range
- DIP24 Plastic Case
- 1500VDC Isolation, 3000VDC Option
- -40 °C to +100 °C Operation
- Optional Metal Case
- ITE Safety Approvals
- 3 Year Warranty

Dimensions:

JCE06: 1.25 x 0.80 x 0.40 in (31.75 x 20.32 x 10.16 mm)

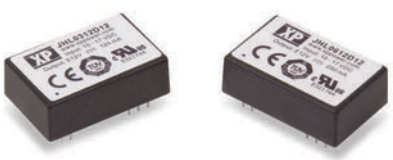
Power	Output Voltage	Output Current	Model
4.62 W	3.3 VDC	1400 mA	JCE06xxS3V3
6 W	5.0 VDC	1200 mA	JCE06xxS05
6 W	12.0 VDC	500 mA	JCE06xxS12
6 W	15.0 VDC	400 mA	JCE06xxS15
6 W	24.0 VDC	250 mA	JCE06xxS24
6 W	±3.3 VDC	±909 mA	JCE06xxD03
6 W	±5.0 VDC	±600 mA	JCE06xxD05
6 W	±12.0 VDC	±250 mA	JCE06xxD12
6 W	±15.0 VDC	±200 mA	JCE06xxD15
6 W	±24.0 VDC	±125 mA	JCE06xxD24

Notes:
For input range: 12V replace xx with 12, e.g. JCE0612S05
24V replace xx with 24 e.g. JCE0624S05
48V replace xx with 48 e.g. JCE0648S05
For optional 3000VDC isolation add suffix -H to part number.
For optional metal case version add suffix -M to part number.

JHL03-06

3-6 Watts

Medical



- Regulated Single & Dual Outputs
- Wide Input Range
- DIP24 Package
- World Wide Medical (2 x MOPP) Approvals
- IEC60601-1, 3rd Edition 2 x MOPP
- 4000VAC Reinforced Insulation
- 2µA Patient Leakage Current
- EN55011 Level A (No External Components)
- 3 Year Warranty

Dimensions:

JHL03/JHL06:
1.25 x 0.80 x 0.40 in (31.15 x 20.32 x 10.20 mm)

Power	Output Voltage	Output Current	Model
3 W	5.0 VDC	600 mA	JHL03xxS05
3 W	12.0 VDC	250 mA	JHL03xxS12
3 W	15.0 VDC	200 mA	JHL03xxS15
3 W	±12.0 VDC	±125 mA	JHL03xxD12
3 W	±15.0 VDC	±100 mA	JHL03xxD15

Power	Output Voltage	Output Current	Model
6 W	5.0 VDC	1200 mA	JHL06xxS05
6 W	12.0 VDC	500 mA	JHL06xxS12
6 W	15.0 VDC	400 mA	JHL06xxS15
6 W	±12.0 VDC	±250 mA	JHL06xxD12
6 W	±15.0 VDC	±200 mA	JHL06xxD15

Notes:
For input range: 12V replace xx with 12 e.g. JHL0312S05/JHL0612S05
24V replace xx with 24 e.g. JHL0324S05/JHL0624S05

JTE06

6 Watts

- Regulated Single & Dual Outputs
- Wide 4:1 Input Range
- DIP24 Plastic Case
- 1500VDC Isolation, 3000VDC Option
- Operating Temperature -40 °C to +100 °C
- Optional Metal Case
- ITE Safety Approvals
- 3 Year Warranty

Power	Output Voltage	Output Current	Model
6 W	3.3 VDC	1400 mA	JTE06xxS3V3
6 W	5.0 VDC	1200 mA	JTE06xxS05
6 W	12.0 VDC	500 mA	JTE06xxS12
6 W	15.0 VDC	400 mA	JTE06xxS15
6 W	24.0 VDC	250 mA	JTE06xxS24
6 W	±3.3 VDC	±909 mA	JTE06xxD03
6 W	±5.0 VDC	±600 mA	JTE06xxD05
6 W	±12.0 VDC	±250 mA	JTE06xxD12
6 W	±15.0 VDC	±200 mA	JTE06xxD15
6 W	±24.0 VDC	±125 mA	JTE06xxD24

Dimensions:

JTE06: 1.25 x 0.8 x 0.4 in (31.75 x 20.32 x 10.16 mm)

Notes:
For input range: 24 V replace xx with 24, e.g. JTE0624S05
48 V replace xx with 48 e.g. JTE0648S05
For optional 3000 VDC isolation add suffix -H to part number.
For optional metal case version, add suffix '-M' to part number, eg. JTE0624S12-M

JSE08

8 Watts

- Regulated Single & Dual Outputs
- 2:1 Input Range
- DIP16 Package
- 1500VDC Isolation
- -40 °C to +105 °C Operation
- ITE Safety Approvals
- High Power Density
- Metal Case
- 3 Year Warranty

Power	Output Voltage	Output Current	Model
5.28 W	3.3 VDC	1600 mA	JSE08xxS3V3
8 W	5.0 VDC	1600 mA	JSE08xxS05
8 W	12.0 VDC	665 mA	JSE08xxS12
8 W	15.0 VDC	535 mA	JSE08xxS15
8 W	24.0 VDC	335 mA	JSE08xxS24
8 W	±12.0 VDC	±335 mA	JSE08xxD12
8 W	±15.0 VDC	±265 mA	JSE08xxD15

Dimensions:

JSE08: 0.94 x 0.54 x 0.31 in (23.8 x 13.7 x 8.0 mm)

Notes:
For input range: 12V replace xx with 12 e.g. JSE0812S05
24V replace xx with 24 e.g. JSE0824S05
48V replace xx with 48 e.g. JSE0848S05

JWE06-08

6-8 Watts

- Regulated Single & Dual Outputs
- Wide 4:1 Input Range
- DIP16 Package
- 1500VDC Isolation
- -40 °C to +105 °C Operation
- ITE Safety Approvals
- High Power Density
- Metal Case
- 3 Year Warranty

Power	Output Voltage	Output Current	Model
4.95 W	3.3 VDC	1500 mA	JWE06xxS3V3
6 W	5.0 VDC	1200 mA	JWE06xxS05
6 W	12.0 VDC	500 mA	JWE06xxS12
6 W	15.0 VDC	400 mA	JWE06xxS15
6 W	24.0 VDC	250 mA	JWE06xxS24
6 W	±12.0 VDC	±250 mA	JWE06xxD12
6 W	±15.0 VDC	±200 mA	JWE06xxD15

Power	Output Voltage	Output Current	Model
5.28 W	3.3 VDC	1600 mA	JWE08xxS3V3
8 W	5.0 VDC	1600 mA	JWE08xxS05
8 W	12.0 VDC	665 mA	JWE08xxS12
8 W	15.0 VDC	535 mA	JWE08xxS15
8 W	24.0 VDC	335 mA	JWE08xxS24
8 W	±12.0 VDC	±335 mA	JWE08xxD12
8 W	±15.0 VDC	±265 mA	JWE08xxD15

Dimensions:

JWE06/08: 0.94 x 0.54 x 0.31 in (23.8 x 13.7 x 8.0 mm)

Notes:
For input range:
24V replace xx with 24 e.g. JWE0624S05/JWE0824S05
48V replace xx with 48 e.g. JWE0648S05/JWE0848S05

ICZ09

9 Watts

- Regulated Single & Dual Outputs
- 2:1 Input Range
- Ultra Compact SIP8 Package
- 1600VDC Isolation
- Operating Temperature -40 °C to +85 °C
- Smallest Footprint 9W Converter
- Remote On/Off
- 3 Year Warranty

Power	Output Voltage	Output Current	Model
6.6 W	3.3 VDC	2000 mA	ICZ09xxS3V3
8 W	5.0 VDC	1600 mA	ICZ09xxS05
9 W	9.0 VDC	1000 mA	ICZ09xxS09
9 W	12.0 VDC	750 mA	ICZ09xxS12
9 W	15.0 VDC	600 mA	ICZ09xxS15
9 W	24.0 VDC	375 mA	ICZ09xxS24
9 W	±5.0 VDC	±600 mA	ICZ09xxD05
9 W	±12.0 VDC	±250 mA	ICZ09xxD12
9 W	±15.0 VDC	±200 mA	ICZ09xxD15

Dimensions:

ICZ09: 0.86 x 0.38 x 0.44" (21.8 x 9.6 x 11.2 mm)

Notes:
For input range: 12V replace xx with 12 e.g. ICZ0912S05
24V replace xx with 24 e.g. ICZ0924S05
48V replace xx with 48 e.g. ICZ0948S05

ITZ09

9 Watts

- Regulated Single & Dual Outputs
- Wide 4:1 Input Range
- Ultra Compact SIP8 Package
- 1600VDC Isolation
- -40 °C to +85 °C Operation
- Smallest Footprint 9W Converter
- Remote On/Off
- 3 Year Warranty

Power	Output Voltage	Output Current	Model
6.6 W	3.3 VDC	2000 mA	ITZ09xxS3V3
8 W	5.0 VDC	1600 mA	ITZ09xxS05
9 W	9.0 VDC	1000 mA	ITZ09xxS09
9 W	12.0 VDC	750 mA	ITZ09xxS12
9 W	15.0 VDC	600 mA	ITZ09xxS15
9 W	24.0 VDC	375 mA	ITZ09xxS24
9 W	±5.0 VDC	±600 mA	ITZ09xxD05
9 W	±12.0 VDC	±250 mA	ITZ09xxD12
9 W	±15.0 VDC	±200 mA	ITZ09xxD15

Dimensions:

ITZ09: 0.86 x 0.38 x 0.44 in (21.9 x 9.6 x 11.2 mm)

Notes:
For input range: 24V replace xx with 24 e.g. ITZ0924S05
48V replace xx with 48 e.g. ITZ0948S05

JCA04-10

4-10 Watts

- Regulated Single & Dual Outputs
- 2:1 Input Range
- Compact 1.0" x 0.8" Metal Package
- Industry Standard DIP24 Pin Out
- 1500VDC Basic Isolation
- -40 °C to +100 °C Operation
- 3 Year Warranty

Power	Output Voltage	Output Current	Model
5 W	3.3 VDC	1.52 A	JCA06xxS03
6 W	5.0 VDC	1.00 A	JCA06xxS05
6 W	12.0 VDC	0.50 A	JCA06xxS12
6 W	15.0 VDC	0.40 A	JCA06xxS15
6 W	±5.0 VDC	±0.50 A	JCA06xxD01
6 W	±12.0 VDC	±0.25 A	JCA06xxD02
6 W	±15.0 VDC	±0.20 A	JCA06xxD03

Power	Output Voltage	Output Current	Model
4 W	3.3 VDC	1.22 A	JCA04xxS03
4 W	5.0 VDC	0.80 A	JCA04xxS05
4 W	12.0 VDC	0.34 A	JCA04xxS12
4 W	15.0 VDC	0.28 A	JCA04xxS15
4 W	±5.0 VDC	±0.40 A	JCA04xxD01
4 W	±12.0 VDC	±0.17 A	JCA04xxD02
4 W	±15.0 VDC	±0.14 A	JCA04xxD03

Power	Output Voltage	Output Current	Model
8 W	3.3 VDC	2.42 A	JCA10xxS03
10 W	5.0 VDC	1.60 A	JCA10xxS05
10 W	12.0 VDC	0.83 A	JCA10xxS12
10 W	15.0 VDC	0.66 A	JCA10xxS15
10 W	±5.0 VDC	±0.80 A	JCA10xxD01
10 W	±12.0 VDC	±0.42 A	JCA10xxD02
10 W	±15.0 VDC	±0.33 A	JCA10xxD03

Dimensions:

JCA04-06/10: 1.0 x 0.8 x 0.4 in (25.4 x 20.3 x 10.0 mm)

Notes:
For input range: 5V replace xx with 05 e.g. JCA1005S05
12V replace xx with 12 e.g. JCA1012S05
24V replace xx with 24 e.g. JCA1024S05
48V replace xx with 48 e.g. JCA1048S05

JCJ08-10

8-10 Watts

- Regulated Single & Dual Outputs
- 2:1 Input Range
- DIP24 Metal Package
- 1500VDC Isolation
- -40 °C to +100 °C Operation
- Continuous Short Circuit Protection
- ITE Safety Approvals
- 3 Year Warranty

Power	Output Voltage	Output Current	Model
6.6 W	3.3 VDC	2.000 A	JCJ08xxS3V3
8 W	5.0 VDC	1.500 A	JCJ08xxS05
8 W	12.0 VDC	0.665 A	JCJ08xxS12
8 W	15.0 VDC	0.535 A	JCJ08xxS15
8 W	±5.0 VDC	±0.800 A	JCJ08xxD05
8 W	±12.0 VDC	±0.335 A	JCJ08xxD12
8 W	±15.0 VDC	±0.265 A	JCJ08xxD15

Power	Output Voltage	Output Current	Model
7.5 W	2.5 VDC	3.000 A	JCJ10xxS2V5
10 W	3.3 VDC	3.000 A	JCJ10xxS3V3
10 W	5.0 VDC	2.000 A	JCJ10xxS05
10 W	12.0 VDC	0.833 A	JCJ10xxS12
10 W	15.0 VDC	0.667 A	JCJ10xxS15
10 W	±5.0 VDC	±0.800 A	JCJ10xxD05
10 W	±12.0 VDC	±0.416 A	JCJ10xxD12

Dimensions:

JCJ08/10: 1.25 x 0.8 x 0.4 in (31.75 x 20.32 x 10.16 mm)

Notes:
For input range: 12V replace xx with 12, e.g. JCJ0812S05/JCJ1012S05
24V replace xx with 24, e.g. JCJ0824S05/JCJ1024S05
48V replace xx with 48, e.g. JCJ0848S05/JCJ1048S05

JTF08-10

8-10 Watts

- Regulated Single & Dual Outputs
- Wide 4:1 Input Range
- High Power Density
- 1600VDC Isolation
- -40 °C to +105 °C Operation
- Standard Remote On/Off
- ITE Safety Approvals
- 3 Year Warranty

Power	Output Voltage	Output Current	Model
6.6 W	3.3 VDC	2.0 A	JTF08xxS3V3
8 W	5.0 VDC	1.5 A	JTF08xxS05
8 W	12.0 VDC	0.665 A	JTF08xxS12
8 W	15.0 VDC	0.535 A	JTF08xxS15
8 W	±5.0 VDC	±0.8 A	JTF08xxD05
8 W	±12.0 VDC	±0.335 A	JTF08xxD12
8 W	±15.0 VDC	±0.265 A	JTF08xxD15

Power	Output Voltage	Output Current	Model
8.91 W	3.3 VDC	2.7 A	JTF10xxS3V3
10 W	5.0 VDC	2.0 A	JTF10xxS05
10 W	12.0 VDC	0.833 A	JTF10xxS12
10 W	15.0 VDC	0.667 A	JTF10xxS15
10 W	±5.0 VDC	±1.0 A	JTF10xxD05
10 W	±12.0 VDC	±0.417 A	JTF10xxD12
10 W	±15.0 VDC	±0.33 A	JTF10xxD15

Dimensions:

JTF: 1.25 x 0.8 x 0.4 in (31.75 x 20.32 x 10.4 mm)

Notes:
For input range: 24V replace xx with 24 e.g. JTF0824S05/JTF1024S05
48V replace xx with 48 e.g. JTF0848S05/JTF1048S05

JHM10-15

10-15 Watts

Medical

- Regulated Single & Dual Outputs
- 2:1 Input Range
- World Wide Medical (2 x MOPP) Approvals
- 4000VAC Reinforced Insulation
- 2µA Patient Leakage Current
- EN55011 Level A (No External Components)
- 3 Year Warranty

Power	Output Voltage	Output Current	Model
10 W	5.0 VDC	2000 mA	JHM10xxS05
10 W	12.0 VDC	833 mA	JHM10xxS12
10 W	15.0 VDC	666 mA	JHM10xxS15
10 W	±5.0 VDC	±1000 mA	JHM10xxD05
10 W	±12.0 VDC	±420 mA	JHM10xxD12
10 W	±15.0 VDC	±333 mA	JHM10xxD15

Power	Output Voltage	Output Current	Model
15 W	5.0 VDC	3000 mA	JHM15xxS05
15 W	12.0 VDC	1250 mA	JHM15xxS12
15 W	15.0 VDC	1000 mA	JHM15xxS15
15 W	±5.0 VDC	±1500 mA	JHM15xxD05
15 W	±12.0 VDC	±625 mA	JHM15xxD12
15 W	±15.0 VDC	±500 mA	JHM15xxD15

Dimensions:

JHM10: 1.25 x 0.8 x 0.4 in (31.75 x 20.32 x 10.40 mm)
JHM15: 1.60 x 1.00 x 0.40 in (40.60 x 25.40 x 10.20 mm)

Notes:
For input range: 5V replace xx with 05, e.g. JHM1005S05 (10 W only)
12V replace xx with 12 e.g. JHM1012S05
24V replace xx with 24 e.g. JHM1524S05

JCG12-15

12-15 Watts

- Regulated Single & Dual Outputs
- 2:1 Input Range
- High Power Density
- 1600VDC Isolation
- -40 °C to +100 °C Operation
- Remote On/Off
- 3 Year Warranty

Dimensions:

JCG: 1.25 x 0.80 x 0.40 in (31.75 x 20.32 x 10.16 mm)

Notes:
For input range: 12V replace xx with 12 e.g. JCG1212S05
24V replace xx with 24 e.g. JCG1524S05
48V replace xx with 48 e.g. JCG1248S05

Power	Output Voltage	Output Current	Model
8.75 W	2.5 VDC	3.5 A	JCG12xxS2V5
11.55 W	3.3 VDC	3.5 A	JCG12xxS3V3
12 W	5.0 VDC	2.4 A	JCG12xxS05
12 W	12.0 VDC	1.0 A	JCG12xxS12
12 W	15.0 VDC	0.8 A	JCG12xxS15
12 W	±12.0 VDC	±0.5 A	JCG12xxD12
12 W	±15.0 VDC	±0.4 A	JCG12xxD15

Power	Output Voltage	Output Current	Model
13.2 W	3.3 VDC	4.0 A	JCG15xxS3V3
15 W	5.1 VDC	3.0 A	JCG15xxS05
15 W	12.0 VDC	1.25 A	JCG15xxS12
15 W	15.0 VDC	1.0 A	JCG15xxS15
15 W	±5.0 VDC	±1.5 A	JCG15xxD05
15 W	±12.0 VDC	±0.625 A	JCG15xxD12
15 W	±15.0 VDC	±0.5 A	JCG15xxD15

JTF12-15

12-15 Watts

- Regulated Single & Dual Outputs
- Wide 4:1 Input Range
- High Power Density
- 1600VDC Isolation
- -40 °C to +105 °C Operation
- Remote On/Off
- ITE Safety Approvals
- 3 Year Warranty

Dimensions:

JTF12/15: 1.25 x 0.8 x 0.4 in (31.75 x 20.32 x 10.4 mm)

Notes:
For input range: 24V replace xx with 24 e.g. JTF1224S05
48V replace xx with 48 e.g. JTF1248S05

Power	Output Voltage	Output Current	Model
11.55 W	3.3 VDC	3.5 A	JTF12xxS3V3
12 W	5.0 VDC	2.4 A	JTF12xxS05
12 W	12.0 VDC	1.0 A	JTF12xxS12
12 W	15.0 VDC	0.8 A	JTF12xxS15
12 W	±5.0 VDC	±1.2 A	JTF12xxD05
12 W	±12.0 VDC	±0.5 A	JTF12xxD12
12 W	±15.0 VDC	±0.4 A	JTF12xxD15

Power	Output Voltage	Output Current	Model
13.2 W	3.3 VDC	4.0 A	JTF15xxS3V3
15 W	5.1 VDC	3.0 A	JTF15xxS05
15 W	12.0 VDC	1.25 A	JTF15xxS12
15 W	15.0 VDC	1.0 A	JTF15xxS15
15 W	±5.0 VDC	±1.5 A	JTF15xxD05
15 W	±12.0 VDC	±0.625 A	JTF15xxD12
15 W	±15.0 VDC	±0.5 A	JTF15xxD15

JCK15-20

15-20 Watts

- Regulated Single & Dual Outputs
- 2:1 Input Range
- 1600VDC Isolation
- Optional 3500VDC Isolation (15W)
- -40 °C to +100 °C Operation
- Remote On/Off (20W)
- High Efficiency
- 3 Year Warranty

Dimensions:

JCK15/20: 2.0 x 1.0 x 0.39 in (50.8 x 25.4 x 9.9 mm)

Notes:
15W: For optional 3.5kV isolation version, add suffix '-H' to part number.
For input range: 12V replace xx with 12 e.g. JCK1512S05/JCK2012S05
24V replace xx with 24 e.g. JCK1524S05/JCK2024S05
48V replace xx with 48 e.g. JCK1548S05/JCK2048S05

Power	Output Voltage	Output Current	Model
9.9 W	3.3 VDC	3.00 A	JCK15xxS3V3
15 W	5.0 VDC	3.00 A	JCK15xxS05
15 W	12.0 VDC	1.250 A	JCK15xxS12
15 W	15.0 VDC	1.000 A	JCK15xxS15
15 W	±3.3 VDC	±1.500 A	JCK15xxD03
15 W	±5.0 VDC	±1.500 A	JCK15xxD05
15 W	±12.0 VDC	±0.625 A	JCK15xxD12
15 W	±15.0 VDC	±0.500 A	JCK15xxD15

Power	Output Voltage	Output Current	Model
18.15 W	3.3 VDC	5.500 A	JCK20xxS3V3
20 W	5.0 VDC	4.000 A	JCK20xxS05
20 W	12.0 VDC	1.670 A	JCK20xxS12
20 W	15.0 VDC	1.330 A	JCK20xxS15
20 W	±12.0 VDC	±0.835 A	JCK20xxD12
20 W	±15.0 VDC	±0.665 A	JCK20xxD15

JCM15-20

15-20 Watts

- Regulated Single & Dual Outputs
- 2:1 Input Range
- 1″ x 1″ Package
- Very High Power Density
- 1600VDC Isolation
- -40 °C to +105 °C Operation
- High Efficiency - up to 89%
- Remote On/Off
- ITE Safety Approvals
- 3 Year Warranty

Dimensions:

JCM15/20: 1.0 x 1.0 x 0.39 in (25.4 x 25.4 x 9.9 mm)

Notes:
For input range: 12V replace xx with 12 e.g. JCM1512S05
24V replace xx with 24 e.g. JCM1524S05
48V replace xx with 48 e.g. JCM1548S05

Power	Output Voltage	Output Current	Model
13.2 W	3.3 VDC	4.0 A	JCM15xxS3V3
15 W	5.0 VDC	3.0 A	JCM15xxS05
15 W	12.0 VDC	1.3 A	JCM15xxS12
15 W	15.0 VDC	1.0 A	JCM15xxS15
15 W	±5.0 VDC	±1.5 A	JCM15xxD05
15 W	±12.0 VDC	±0.625 A	JCM15xxD12
15 W	±15.0 VDC	±0.500 A	JCM15xx2D15

Power	Output Voltage	Output Current	Model
14.85 W	3.3 VDC	4.5 A	JCM20xxS3V3
20 W	5.0 VDC	4.0 A	JCM20xxS05
20 W	12.0 VDC	1.67 A	JCM20xxS12
20 W	15.0 VDC	1.33 A	JCM20xxS15
20 W	±12.0 VDC	±0.833 A	JCM20xxD12
20 W	±15.0 VDC	±0.667 A	JCM20xxD15

JTD15-20

15-20 Watts

- Regulated Single and Dual Outputs
- Wide 4:1 Input Range
- 1.6″ x 1″ Footprint
- 3000VDC Isolation
- -40 °C to +100 °C Operation
- Output Trim ±10%
- Remote On/Off
- ITE Safety Approvals
- 3 Year Warranty

Dimensions:

JTD15/20: 1.6 x 1.0 x 0.41 in (40.6 x 25.4 x 10.4 mm)

Notes:
For input range: 24V replace xx with 24 e.g. JTD1524S05
48V replace xx with 48 e.g. JTD2048S05

Power	Output Voltage	Output Current	Model
9.9 W	3.3 VDC	3000 mA	JTD15xxS3V3
15 W	5.0 VDC	3000 mA	JTD15xxS05
15 W	12.0 VDC	1250 mA	JTD15xxS12
15 W	15.0 VDC	1000 mA	JTD15xxS15
15 W	±5.0 VDC	±1500 mA	JTD15xxD05
15 W	±12.0 VDC	±625 mA	JTD15xxD12
15 W	±15.0 VDC	±500 mA	JTD15xxD15

Power	Output Voltage	Output Current	Model
18.15 W	3.3 VDC	5500 mA	JTD20xxS3V3
20 W	5.0 VDC	4000 mA	JTD20xxS05
20 W	12.0 VDC	1670 mA	JTD20xxS12
20 W	15.0 VDC	1330 mA	JTD20xxS15
20 W	±5.0 VDC	±2000 mA	JTD20xxD05
20 W	±12.0 VDC	±835 mA	JTD20xxD12
20 W	±15.0 VDC	±665 mA	JTD20xxD15

JTK15-20

15-20 Watts

- Regulated Single and Dual Outputs
- Wide 4:1 Input Range
- 1″ x 1″ Package
- 1600VDC Isolation
- Very High Power Density
- -40 °C to +100 °C Operation
- Single & Dual Outputs
- High Efficiency - up to 89%
- ITE Safety Approvals
- 3 Year Warranty

Dimensions:

JTK15/20: 1.0 x 1.0 x 0.39 in (25.4 x 25.4 x 9.9 mm)

Notes:
For input range: 24V replace xx with 24 e.g. JTK1524S05
48V replace xx with 48 e.g. JTK2048S05

Power	Output Voltage	Output Current	Model
13.2 W	3.3 VDC	4.0 A	JTK15xxS3V3
15 W	5.0 VDC	3.0 A	JTK15xxS05
15 W	12.0 VDC	1.3 A	JTK15xxS12
15 W	15.0 VDC	1.0 A	JTK15xxS15
15 W	±5.0 VDC	±1.5 A	JTK15xxD05
15 W	±12.0 VDC	±0.625 A	JTK15xxD12
15 W	±15.0 VDC	±0.5 A	JTK15xxD15

Power	Output Voltage	Output Current	Model
20 W	3.3 VDC	4.5 A	JTK20xxS3V3
20 W	5.0 VDC	4.0 A	JTK20xxS05
20 W	12.0 VDC	1.67 A	JTK20xxS12
20 W	15.0 VDC	1.33 A	JTK20xxS15
20 W	±12.0 VDC	±0.833 A	JTK20xxD12
20 W	±15.0 VDC	±0.667 A	JTK20xxD15

JMM20

20 Watts

Medical

- Regulated Single & Dual Outputs
- 2:1 Input Range
- 2″ x 1″ Package
- 4200VAC Isolation
- World Wide Medical (2 x MOPP) Approvals
- 2 x MOPP at 300VAC
- 5µA Patient Leakage Current
- -40 °C to +95 °C Operation
- Six-sided Metal Case
- 3 Year Warranty

Dimensions:

JMM20: 2.00 x 1.00 x 0.47 in (50.8 x 25.4 x 12.0 mm)

Power	Output Voltage	Output Current	Model
20 W	5.0 VDC	4.00 A	JMM20xxS05
20 W	5.1 VDC	4.00 A	JMM20xxS5V1
20 W	12.0 VDC	1.67 A	JMM20xxS12
20 W	15.0 VDC	1.33 A	JMM20xxS15
20 W	24.0 VDC	0,84 A	JMM20xxS24
20 W	±12.0 VDC	±0.84 A	JMM20xxD12
20 W	±15.0 VDC	±0.67 A	JMM20xxD12

Notes:
For input range: 12V replace xx with 12 e.g. JMM2012S05
24V replace xx with 24 e.g. JMM2024S05
48V replace xx with 48 e.g. JMM2048S05

JSM10-25

10-25 Watts

- Regulated Single & Dual Outputs
- 2:1 Input Range
- 1″ x 1″ Package
- 1500VDC Isolation
- -40 °C to +105 °C Operation
- ITE Safety Approvals
- High Power Density
- Optional Heatsink
- Optional Remote On/Off
- 3 Year Warranty

Dimensions:

JSM10/25: 1.00 x 1.00 x 0.40 in (25.4 x 25.4 x 10.16 mm)

Notes:
For input range: 12V replace xx with 12 e.g. JSM1012S05
24V replace xx with 24 e.g. JSM1024S05
48V replace xx with 48 e.g. JSM1048S05
Add suffix '-R' for optional remote on/off, '-HK' for optional heatsink or '-RHK' for optional remote on/off and heatsink.

Power	Output Voltage	Output Current	Model
8.25 W	3.3 VDC	2.50 A	JSM10xxS3V3
10 W	5.0 VDC	2.00 A	JSM10xxS05
10 W	5.1 VDC	2.00 A	JSM10xxS5V1
10 W	12.0 VDC	0.83 A	JSM10xxS12
10 W	15.0 VDC	0.67 A	JSM10xxS15
10 W	±5.0 VDC	±1.000 A	JSM10xxD05
10 W	±12.0 VDC	±0.416 A	JSM10xxD12
10 W	±15.0 VDC	±0.333 A	JSM10xxD15

Power	Output Voltage	Output Current	Model
19.8 W	3.3 VDC	6.00 A	JSM25xxS3V3
25 W	5.0 VDC	5.00 A	JSM25xxS05
25 W	12.0 VDC	2.09 A	JSM25xxS12
25 W	15.0 VDC	1.67 A	JSM25xxS15
25 W	±12.0 VDC	±1.04 A	JSM25xxD12
25 W	±15.0 VDC	±0.84 A	JSM25xxD15

JWK10-25

10-25 Watts

- Regulated Single & Dual Outputs
- Wide 4:1 Input Range
- 1″ x 1″ Package
- 1500VDC Isolation
- -40 °C to +100 °C Operation
- ITE Safety Approvals
- Remote On/Off
- Optional Heatsink
- 3 Year Warranty

Dimensions:

JWK10/25: 1.00 x 1.00 x 0.40 in (25.4 x 25.4 x 10.16 mm)

Notes:
Add suffix '-HK' for optional heatsink.
For input range: 24V replace xx with 24 e.g. JWK1024S05
48V replace xx with 48 e.g. JWK2548S05

Power	Output Voltage	Output Current	Model
7.26 W	3.3 VDC	2.20 A	JWK10xxS3V3
10 W	5.0 VDC	2.00 A	JWK10xxS05
10 W	5.1 VDC	2.00 A	JWK10xxS5V1
10 W	12.0 VDC	0.83 A	JWK10xxS12
10 W	15.0 VDC	0.66 A	JWK10xxS15
10 W	24.0 VDC	0.41 A	JWK10xxS24
10 W	±5.0 VDC	±1.00 A	JWK10xxD05
10 W	±12.0 VDC	±0.41 A	JWK10xxD12
10 W	±15.0 VDC	±0.33 A	JWK10xxD15

Power	Output Voltage	Output Current	Model
25 W	3.3 VDC	6.00 A	JWK25xxS3V3
25 W	5.0 VDC	5.00 A	JWK25xxS05
25 W	12.0 VDC	2.09 A	JWK25xxS12
25 W	15.0 VDC	1.67 A	JWK25xxS15
25 W	±12.0 VDC	±1.04 A	JWK25xxD12
25 W	±15.0 VDC	±0.84 A	JWK25xxD15

JCM30

30 Watts

- Regulated Single & Dual Outputs
- 2:1 Input Range
- 1″ x 1″ Package
- 1600VDC Isolation
- -40 °C to +100 °C Operation
- Output Trim ±10%
- Remote On/Off
- Optional Heatsink
- ITE Safety Approvals
- 3 Year Warranty

Power	Output Voltage	Output Current	Model
23.1 W	3.3 VDC	7.0 A	JCM30xxS3V3
30 W	5.0 VDC	6.0 A	JCM30xxS05
30 W	12.0 VDC	2.5 A	JCM30xxS12
30 W	15.0 VDC	2.0 A	JCM30xxS15
30 W	±12.0 VDC	±1.25 A	JCM30xxD12
30 W	±15.0 VDC	±1.0 A	JCM30xxD15

Dimensions:

JCM30: 1.0 x 1.0 x 0.41 in (25.4 x 25.0 x 10.4 mm)

Notes:
For input range: 12V replace xx with 12 e.g. JCM3012S05
24V replace xx with 24 e.g. JCM3024S05
48V replace xx with 48 e.g. JCM3048S05
Add suffix '-HK' for optional heatsink.

JTK30

30 Watts

- Regulated Single & Dual Outputs
- Wide 4:1 Input Range
- 1″ x 1″ Package
- 1600VDC Isolation
- -40 °C to +100 °C Operation
- Output Trim ±10%
- Remote On/Off
- Optional Heatsink
- ITE Safety Approvals
- 3 Year Warranty

Power	Output Voltage	Output Current	Model
23.1 W	3.3 VDC	7.00 A	JTK30xxS3V3
30 W	5.0 VDC	6.00 A	JTK30xxS05
30 W	12.0 VDC	2.50 A	JTK30xxS12
30 W	15.0 VDC	2.00 A	JTK30xxS15
30 W	±12.0 VDC	±1.25 A	JTK30xxD12
30 W	±15.0 VDC	±1.00 A	JTK30xxD15

Dimensions:

JTK30: 1.0 x 1.0 x 0.43 in (25.4 x 25.0 x 10.9 mm)

Notes:
For input range: 24V replace xx with 24 e.g. JTK3024S05
48V replace xx with 48 e.g. JTK3048D12
Add suffix '-HK' for optional heatsink.

JCK30-40

30-40 Watts

- Regulated Single & Dual Outputs
- 2:1 Input Range
- 1600VDC Isolation
- High Efficiency - up to 92%
- Remote On/Off
- Optional Heatsink
- 3 Year Warranty

Power	Output Voltage	Output Current	Model
26.4 W	3.3 VDC	8.00 A	JCK30xxS3V3
30 W	5.0 VDC	6.00 A	JCK30xxS05
30 W	5.1 VDC	6.00 A	JCK30xxS5V1
30 W	12.0 VDC	2.50 A	JCK30xxS12
30 W	15.0 VDC	2.00 A	JCK30xxS15
30 W	±5.0 VDC	±3.00 A	JCK30xxD05
30 W	±12.0 VDC	±1.25 A	JCK30xxD12
30 W	±15.0 VDC	±1.00 A	JCK30xxD15

Power	Output Voltage	Output Current	Model
26.4 W	3.3 VDC	8.00 A	JCK40xxS3V3
40 W	5.0 VDC	8.00 A	JCK40xxS05
40 W	12.0 VDC	3.33 A	JCK40xxS12
40 W	15.0 VDC	2.67 A	JCK40xxS15
40 W	±12.0 VDC	±1.67 A	JCK40xxD12
40 W	±15.0 VDC	±1.33 A	JCK40xxD15

Dimensions:

JCK30/40: 2.00 x 1.00 x 0.40 in (50.8 x 25.4 x 10.16 mm)

Notes:
For input range: 12V replace xx with 12 e.g. JCK3012S05
24V replace xx with 24 e.g. JCK4024S05
48V replace xx with 48 e.g. JCK4048S05
Add suffix '-HK' for optional heatsink.

JVA15-40

15-40 Watts

- Renewable Energy & Industrial Applications
- Ultrawide Input Range - 200-1500VDC
- 4000VAC Isolation
- Fully Encapsulated PCB Mount Versions
- DIN Rail Version Available
- -40 °C to +70 °C Operating Temperature
- EMI Filter Options
- 3 Year Warranty

Power	Output Voltage	Output Current	Model
10 W	5.0 VDC	2000 mA	JVA151500S05
15 W	12.0 VDC	1250 mA	JVA151500S12
15 W	15.0 VDC	1000 mA	JVA151500S15
15 W	24.0 VDC	625 mA	JVA151500S24

Power	Output Voltage	Output Current	Model
40 W	12.0 VDC	3330 mA	JVA401500S12
40 W	15.0 VDC	2670 mA	JVA401500S15
40 W	24.0 VDC	1670 mA	JVA401500S24

Dimensions:

JVA1515005: 4.4 x 2.95 x 1.58 in (111.76 x 75.0 x 40.0 mm)
JVA1515005-D: 5.43 x 5.75 x 2.17 in (138.0 x 146.0 x 55.0 mm)
JVA1515005-DF: 5.08 x 4.02 x 1.92 in (129.0 x 102.0 x 49.0 mm)
JVA4015005: 4.4 x 2.95 x 1.58 in (111.76 x 75.0 x 40.0 mm)
JVA4015005-D: 5.43 x 5.75 x 2.17 in (138.0 x 146.0 x 55.0 mm)
JVA4015005-DF: 5.08 x 4.02 x 1.92 in (129.0 x 102.0 x 49.0 mm)

Notes:
For DIN rail mount option, add suffix '-D' e.g. JVA151500S12-D/ For DIN rail with added EMI filter option, add suffix '-DF'e.g. JVA151500S24-DF/JVA401500S24-DF.

JWL40-50

40-50 Watts

- Regulated Single & Dual Outputs
- Wide 4:1 Input Range
- 2" x 1" Package
- 1500VDC Isolation
- -40 °C to +105 °C Operation
- ITE Safety Approvals
- Optional Heatsink
- Six-sided Metal Case
- Remote On/Off
- 3 Year Warranty

Power	Output Voltage	Output Current	Model
26.4 W	3.3 VDC	8.00 A	JWL40xxS3V3
40 W	5.0 VDC	8.00 A	JWL40xxS05
40 W	12.0 VDC	3.33 A	JWL40xxS12
40 W	15.0 VDC	2.67 A	JWL40xxS15
40 W	24.0 VDC	1.67 A	JWL40xxS24
40 W	±12.0 VDC	±1.67 A	JWL40xxD12
40 W	±15.0 VDC	±1.33 A	JWL40xxD15

Power	Output Voltage	Output Current	Model
33 W	3.3 VDC	10.00 A	JWL50xxS3V3
50 W	5.0 VDC	10.00 A	JWL50xxS05
50 W	12.0 VDC	4.17 A	JWL50xxS12
50 W	15.0 VDC	3.33 A	JWL50xxS15
50 W	24.0 VDC	2.08 A	JWL50xxS24

Dimensions:

JWL40 (24V): 2.00 x 1.00 x 0.43 in (50.8 x 25.4 x 11.0 mm)
JWL40 (All other models):
2.00 x 1.00 x 0.40 in (50.8 x 25.4 x 10.2 mm)
JWL50: 2.00 x 1.00 x 0.43 in (50.8 x 25.4 x 11.0 mm)

Notes:
For input range: 24V replace xx with 24 e.g. JWL4024S05
48V replace xx with 48 e.g. JWL4048S05
Add suffix '-HK' for optional heatsink.

JCK50-60

50-60 Watts

- Regulated Single Output
- 2:1 Input Range
- 1600VDC Isolation
- High Efficiency - up to 92%
- Remote On/Off
- High Power Density
- Optional Heatsink
- ITE Safety Approvals
- 3 Year Warranty

Power	Output Voltage	Output Current	Model
33 W	3.3 VDC	10.00 A	JCK50xxS3V3
50 W	5.0 VDC	10.00 A	JCK50xxS05
50 W	12.0 VDC	4.17 A	JCK50xxS12
50 W	15.0 VDC	3.33 A	JCK50xxS15

Power	Output Voltage	Output Current	Model
46 W	3.3 VDC	14.0 A	JCK60xxS3V3
60 W	5.0 VDC	12.0 A	JCK60xxS05
60 W	12.0 VDC	5.0 A	JCK60xxS12
60 W	15.0 VDC	4.0 A	JCK60xxS15

Dimensions:

JCK50: 2.00 x 1.00 x 0.45 in (50.8 x 25.4 x 11.5 mm)
JCK60: 2.00 x 2.00 x 0.40 in (50.8 x 50.8 x 10.16 mm)

Notes:
For input range: 12V replace xx with 12 e.g. JCK5012S05 (50 W only)
24V replace xx with 24 e.g. JCK6024S05
48V replace xx with 48 e.g. JCK6048S05
Add suffix '-HK' for optional heatsink.

JTL30-60

30-60 Watts

- Regulated Single & Dual Outputs
- Wide 4:1 Input Range
- 1600VDC Isolation
- -40 °C to +85 °C Operation
- Output Trim ±10%
- Remote On/Off
- Optional Heatsink
- 3 Year Warranty

Power	Output Voltage	Output Current	Model
30 W	3.3 VDC	7.50 A	JTL30xxS3V3
30 W	5.0 VDC	6.00 A	JTL30xxS05
30 W	12.0 VDC	2.50 A	JTL30xxS12
30 W	15.0 VDC	2.00 A	JTL30xxS15
30 W	±5.0 VDC	±3.00 A	JTL30xxD05
30 W	±12.0 VDC	±1.25 A	JTL30xxD12
30 W	±15.0 VDC	±1.00 A	JTL30xxD15
30 W	+3.3 V, ±12.0 V	5.00 A, ±0.42 A	JTL30xxT0312
30 W	+3.3 V, ±15.0 V	5.00 A, ±0.33 A	JTL30xxT0315
30 W	+5.0 V, ±12.0 V	4.00 A, ±0.42 A	JTL30xxT0512
30 W	+5.0 V, ±15.0 V	4.00 A, ±0.33 A	JTL30xxT0515

Power	Output Voltage	Output Current	Model
40 W	3.3 VDC	10.00 A	JTL40xxS3V3
40 W	5.0 VDC	8.00 A	JTL40xxS05
40 W	12.0 VDC	3.35 A	JTL40xxS12
40 W	15.0 VDC	2.65 A	JTL40xxS15
40 W	±12.0 VDC	±1.65 A	JTL40xxD12
40 W	±15.0 VDC	±1.35 A	JTL40xxD15

Power	Output Voltage	Output Current	Model
60 W	5.0 VDC	12.0 A	JTL60xxS05
60 W	12.0 VDC	5.0 A	JTL60xxS12
60 W	15.0 VDC	4.0 A	JTL60xxS15
60 W	±12.0 VDC	±2.5 A	JTL60xxD12
60 W	±15.0 VDC	±2.0 A	JTL60xxD15

Dimensions:

JTL30: 2.00 x 1.00 x 0.40 in (50.8 x 25.4 x 10.16 mm)
JTL40: 2.00 x 2.00 x 0.40 in (50.8 x 50.8 x 10.16 mm)
JTL60: 2.00 x 1.00 x 0.45 in (50.8 x 25.4 x 11.5 mm)

Notes:
For input range: 24V replace xx with 24 e.g. JTL3024S05
48V replace xx with 48 e.g. JTL6048S05
Add suffix '-HK' for optional heatsink.

DTE20-60

20-60 Watts

- Fully Encapsulated Chassis Mount
- Wide 4:1 Input Range
- 2500VDC Isolation
- -40 °C to +95 °C Operation
- High Efficiency
- DIN Rail Version Available
- Remote On/Off
- EN55022 Level A
- 3 Year Warranty

Power	Input Voltage	Output Voltage	Output Current	Model
20 W	24.0 VDC	5.1 VDC	4.0 A	DTE2024S5V1
20 W	24.0 VDC	12.0 VDC	1.67 A	DTE2024S12
20 W	24.0 VDC	24.0 VDC	0.835 A	DTE2024S24
20 W	24.0 VDC	48.0 VDC	0.42 A	DTE2024S48
20 W	48.0 VDC	5.1 VDC	4.0 A	DTE2048S5V1
20 W	48.0 VDC	12.0 VDC	1.67 A	DTE2048S12
20 W	48.0 VDC	24.0 VDC	0.835 A	DTE2048S24
20 W	48.0 VDC	48.0 VDC	0.42 A	DTE2048S48

Power	Input Voltage	Output Voltage	Output Current	Model
40 W	24.0 VDC	5.1 VDC	8.0 A	DTE4024S5V1
40 W	24.0 VDC	12.0 VDC	3.33 A	DTE4024S12
40 W	24.0 VDC	24.0 VDC	1.67 A	DTE4024S24
40 W	24.0 VDC	48.0 VDC	0.835 A	DTE4024S48
40 W	48.0 VDC	5.1 VDC	8.0 A	DTE4048S5V1
40 W	48.0 VDC	12.0 VDC	3.33 A	DTE4048S12
40 W	48.0 VDC	24.0 VDC	1.67 A	DTE4048S24
40 W	48.0 VDC	48.0 VDC	0.835 A	DTE4048S48

Power	Input Voltage	Output Voltage	Output Current	Model
60 W	24.0 VDC	5.1 VDC	12.0 A	DTE6024S5V1
60 W	24.0 VDC	12.0 VDC	5.0 A	DTE6024S12
60 W	24.0 VDC	24.0 VDC	2.5 A	DTE6024S24
60 W	24.0 VDC	48.0 VDC	1.25 A	DTE6024S48
60 W	48.0 VDC	5.1 VDC	12.0 A	DTE6048S5V1
60 W	48.0 VDC	12.0 VDC	5.0 A	DTE6048S12
60 W	48.0 VDC	24.0 VDC	2.5 A	DTE6048S24
60 W	48.0 VDC	48.0 VDC	1.25 A	DTE6048S48

Dimensions:

DTE20: 3.78 x 2.13 x 0.92 in (96.0 x 54.0 x 23.3 mm)
DTE40: 4.41 x 2.51 x 1.01 in (112 x 63.8 x 25.6 mm)
DTE60: 4.41 x 2.67 x 1.5 in (112 x 67.8 x 38 mm)

Notes:
For optional version fitted with DIN Clip add suffix '-D'
e.g. DTE2024S24-D/DTE4024S24-D/DTE6024S24-D

QSB75-150

75-150 Watts

- Single Output
- Wide 4:1 Input Range
- Industry Standard Packages
- 1500VDC Isolation
- -40 °C to +100 °C Operation
- High Power Density
- Baseplate-cooled
- Remote On/Off & Remote Sense
- Thermal Shutdown
- 3 Year Warranty

Dimensions:

QSB75/100: 2.28 x 1.45 x 0.50 in (57.9 x 36.8 x 12.7 mm)
QSB150: 2.28 x 2.40 x 0.52 in (57.9 x 61.0 x 13.2 mm)

Notes:
For input range: 24V replace xx with 24 e.g. QSB7524S05
48V replace xx with 48 e.g. QSB10048S05
Add suffix 'N' to the model number to receive the unit with negative logic Remote On/Off.

Power	Output Voltage	Output Current	Model
39.6 W	3.3 VDC	12.00 A	QSB75xxS3V3
60 W	5.0 VDC	12.00 A	QSB75xxS05
75 W	12.0 VDC	6.25 A	QSB75xxS12
75 W	15.0 VDC	5.00 A	QSB75xxS15
75 W	24.0 VDC	3.12 A	QSB75xxS24
100 W	3.3 VDC	30.00 A	QSB100xxS3V3
100 W	5.0 VDC	20.00 A	QSB100xxS05
100 W	12.0 VDC	8.30 A	QSB100xxS12
100 W	15.0 VDC	6.70 A	QSB100xxS15
100 W	24.0 VDC	4.17 A	QSB100xxS24
100 W	3.3 VDC	30.00 A	QSB150xxS3V3
150 W	5.0 VDC	30.00 A	QSB150xxS05
150 W	12.0 VDC	12.50 A	QSB150xxS12
150 W	15.0 VDC	10.00 A	QSB150xxS15
150 W	24.0 VDC	6.50 A	QSB150xxS24

QSB150W

150 Watts

- Single Output
- Ultra Wide 8:1 Input Range
- Industry Standard Half Brick Package
- 1500VDC Isolation
- -40 °C to +100 °C Operation
- Output Trim ±10%
- Remote On/Off
- Thermal Shutdown
- 3 Year Warranty

Dimensions:

QSB150W: 2.4 x 2.28 x 0.5 in (61.0 x 57.9 x 12.7 mm)

Notes:
Input voltage range is nominal 48V (9-75V).

Power	Output Voltage	Output Current	Model
150 W	12.0 VDC	12.50 A	QSB15048WS12
150 W	15.0 VDC	10.00 A	QSB15048WS15
150 W	24.0 VDC	6.25 A	QSB15048WS24
150 W	28.0 VDC	5.35 A	QSB15048WS28
150 W	48.0 VDC	3.13 A	QSB15048WS48

QSC150

150 Watts

- Single Output
- Wide 4:1 Input Range
- Industry Standard Quarter Brick Package
- 2250VDC Isolation
- -40 °C to +105 °C Operation
- Output Trim ±10%
- Remote On/Off
- Thermal Shutdown
- 3 Year Warranty

Dimensions:

QSC150: 2.28 x 1.45 x 0.5 in (57.9 x 36.8 x 12.7 mm)

Notes:
Input voltage range is nominal 48V (9-75V).

Power	Output Voltage	Output Current	Model
150 W	5.0 VDC	30.0 A	QSC15024S05
150 W	12.0 VDC	12.5 A	QSC15024S12
150 W	24.0 VDC	6.3 A	QSC15024S24
150 W	28.0 VDC	5.4 A	QSC15024S28
150 W	48.0 VDC	3.2 A	QSC15024S48
150 W	5.0 VDC	30.0 A	QSC15048S05
150 W	12.0 VDC	12.5 A	QSC15048S12
150 W	24.0 VDC	6.3 A	QSC15048S24
150 W	28.0 VDC	5.4 A	QSC15048S28
150 W	48.0 VDC	3.2 A	QSC15048S48

QSB200-350

200-350 Watts

- Single Output
- Wide 4:1 Input Range (QSB200-300)
- 2:1 Input Range (QSB350)
- Industry Standard Half Brick Package
- High Efficiency
- High Power Density
- Baseplate-cooled
- Remote On/Off & Remote Sense
- Thermal Shutdown
- 3 Year Warranty

Notes:
For input range: 24V replace xx with 24 e.g. QSB20024S05
48V replace xx with 48 e.g. QSB35048S05
Add suffix 'N' to the model number to receive the unit with negative logic Remote On/Off.

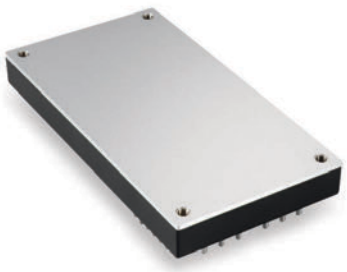
Power	Output Voltage	Output Current	Model
200 W	3.3 VDC	50.00 A	QSB200xxS3V3
200 W	5.0 VDC	40.00 A	QSB200xxS05
200 W	12.0 VDC	16.70 A	QSB200xxS12
200 W	15.0 VDC	13.30 A	QSB200xxS15
200 W	24.0 VDC	8.30 A	QSB200xxS24
300 W	5.0 VDC	60.00 A	QSB300xxS05
300 W	12.0 VDC	25.00 A	QSB300xxS12
300 W	24.0 VDC	12.50 A	QSB300xxS24
300 W	28.0 VDC	10.70 A	QSB300xxS28
300 W	48.0 VDC	6.25 A	QSB300xxS48
350 W	3.3 VDC	70.00 A	QSB350xxS3V3
350 W	5.0 VDC	70.00 A	QSB350xxS05
350 W	12.0 VDC	29.20 A	QSB350xxS12
350 W	24.0 VDC	14.60 A	QSB350xxS24
350 W	28.0 VDC	12.50 A	QSB350xxS28
350 W	48.0 VDC	7.30 A	QSB350xxS48

Dimensions:

QSB200-350: 2.40 x 2.28 x 0.52 in (61.0 x 57.9 x 13.2 mm)

QSB400-600

400-600 Watts



- Up to 89% Efficiency
- Wide 4:1 Input Range (QSB400)
- 2:1 Input Range (QSB600)
- Industry Standard Full Brick Package
- -40 °C to +100 °C Operation
- Baseplate-cooled
- Remote On/Off & Remote Sense
- Thermal Shutdown
- 3 Year Warranty

Power	Output Voltage	Output Current	Model
400 W	5.0 VDC	50.00 A	QSB400xxS05
400 W	12.0 VDC	40.00 A	QSB400xxS12
400 W	15.0 VDC	16.70 A	QSB400xxS15
400 W	24.0 VDC	13.30 A	QSB400xxS24
400 W	28.0 VDC	8.30 A	QSB400xxS48
600 W	12.0 VDC	60.00 A	QSB600xxS12
600 W	28.0 VDC	25.00 A	QSB600xxS28
600 W	32.0 VDC	12.50 A	QSB600xxS32
600 W	48.0 VDC	10.70 A	QSB600xxS48

Notes:
For input range:
24V replace xx with 24 e.g. QSB40024S05/QSB60024S05
48V replace xx with 48 e.g. QSB40048S05/QSB60048S05

Add suffix 'P' to the model number to receive the unit with positive logic Remote On/Off.

Dimensions:

QSB400/600: 4.6 x 2.4 x 0.5 in (116.0 x 61.0 x 12.7 mm)

QHL600-750

600-750 Watts

- 180-425VDC Input Range (QHL600)
- 200-425VDC Input Range (QHL750)
- Single Output
- Industry Standard Full Brick Package
- 3000VAC Isolation
- Output Trim -40% to +10%
- Remote On/Off
- Current Share and Power Good Signals
- ITE Safety Approvals
- Thermal Shutdown
- 3 Year Warranty

Power	Output Voltage	Output Current	Model
600 W	12.0 VDC	50.0 A	QHL600300S12
600 W	24.0 VDC	25.0 A	QHL600300S24
600 W	48.0 VDC	12.5 A	QHL600300S48
750 W	12.0 VDC	62.5 A	QHL750300S12
750 W	15.0 VDC	50.0 A	QHL750300S15
750 W	24.0 VDC	31.2 A	QHL750300S24
750 W	28.0 VDC	26.7 A	QHL750300S28
750 W	48.0 VDC	15.6 A	QHL750300S48

Dimensions:

QHL600/750: 4.6 x 2.4 x 0.5 in (116.8 x 61.0 x 12.7 mm)

MCC

400-600 Watts

- Up to 4 Regulated Outputs
- Nominal 28VDC Input Range
- Baseplate-cooled
- Optional 200W Conditioned Output
- MIL-STD 1275 and DEF-STAN 61-5
- MIL-STD 461 and DEF-STAN 59-411
- Rugged Construction to MIL-STD 810F
- 3 Year Warranty

Chassis Designations, Power & Sizes		
Code	Power	Slots
MCC4	400 W	4
MCC6	400 W + 200 W AUX	4

Notes:
1. Modules 1 to 4 available for MCC400/600 e.g. MCC4Q2D2J2L2PED.
2. 4 series output modules to be used with single MCC400/600 models only.
3. DC-DC output modules are stress-screened for -55 °C to +90 °C operation.
4. Low cost option with passive EMI filtering only. No auxiliary output, EMI to EN55022 level B only.
5. Global inhibit will also turn off the auxiliary output - Option A.

Modules Output Voltage / Current Rating				
Voltage	Current	Power	Slots	Code
3.3 VDC	22.70 A	75 W	1	2C
3.3 VDC	45.40 A	150 W	2	3C
3.3 VDC	80.00 A	264 W	4	4C[2]
5.0 VDC	20.00 A	100 W	1	2D
5.0 VDC	40.00 A	200 W	2	3D
5.0 VDC	80.00 A	400 W	4	4D[2]
12.0 VDC	8.30 A	100 W	1	2J
12.0 VDC	16.60 A	200 W	2	3J
12.0 VDC	33.30 A	400 W	4	4J[2]
15.0 VDC	6.60 A	100 W	1	2L
15.0 VDC	13.30 A	200 W	2	3L
15.0 VDC	26.70 A	400 W	4	4L[2]
24.0 VDC	4.10 A	100 W	1	2P
24.0 VDC	8.30 A	200 W	2	3P
24.0 VDC	16.70 A	400 W	4	4P[2]
28.0 VDC	3.50 A	100 W	1	2Q
28.0 VDC	7.10 A	200 W	2	3Q
28.0 VDC	14.30 A	400 W	4	4Q[2]
36.0 VDC	2.78 A	100 W	1	2T
36.0 VDC	5.56 A	200 W	2	3T
36.0 VDC	11.11 A	400 W	4	4T
48.0 VDC	2.10 A	100 W	1	2W
48.0 VDC	4.10 A	200 W	2	3W
48.0 VDC	8.30 A	400 W	4	4W[2]

Dimensions:

MCC400/MCC600:
7.29 x 6.50 x 1.08 in (185.0 x 165.0 x 27.5 mm)

	Slot 1	Slot 2	Slot 3	Slot 4					
MCC	4	Q	2J	2J	2J	2J	E	X	X	X	X

- Chassis designation: MCC4, MCC6 (see table above for power & sizes)
- MCC400/600: Single (S), Dual (D), Triple (T) or Quad (Q) (4 slots max where all slots must be filled)
- S - Standard
  E - Screening option[3]
  A - Auxiliary turn off[5]
- D - DC OK, leave blank if not required
  Q - Low noise output
  L - Passive filtering only[4]
  P - Conformal coating

MTF50

50 Watts

- EMI Filter With Active Surge Protection
- Wide Input Voltage Range 10-50VDC
- For Use With MTC05-50
- Max Output Power 50W
- Wide Temperature Range -55 °C to +100 °C
- MIL-STD 461 & DEF-STAN 59-411
- MIL-STD 1275 & DEF-STAN 61-5
- 3 Year Warranty

Power	Input Voltage	Output Voltage	Model
50 W	15.5-40.0 VDC	50 VDC max	MTF50

Dimensions:

MTF50: 1.570 x 1.023 x 0.500 in (40.0 x 26.0 x 12.7 mm)

MTH100

100 Watts

- Extended Hold Up Module
- 80% Less Hold Up Capacitance Required
- For Use With MTC05-50
- Reduces System Size and Weight
- 10A Output Current
- Wide Input Range
- User Programmable
- 3 Year Warranty

Power	Input Voltage	Output Voltage	Model
100 W	10-40 VDC	Vin - (Iout x 0.013)[1]	MTH100
		Vcap - 0.8 V[2]	

Dimensions:

MTH100: 1.57 x 1.02 x 0.50 in (40.0 x 26.0 x 12.7 mm)

Notes:
1. During normal operation.
2. During hold-up time.

For -55 °C extended operating range add suffix '-LT' to the part number

DSF & FSO

30-500 Watts

- Defense EMC & Surge Filter (DSF100 & 226)
- Defense Surge Filter (DSF500)
- Defense EMC Filter (FSO)
- Up to 500W Output Power
- MIL-STD 461 & DEF-STAN 59-411
- MIL-STD 1275 & DEF-STAN 61-5
- MIL-STD 810
- 3 Year Warranty

Power	Input Voltage	Output		Model
		Voltage	Current	
100 W	10-33 VDC	<36 VDC	3.7 A	DSF100
30-54 W	10-18 VDC	<36 VDC	3.0 A	DSF200 LV
126-230 W	18-33 VDC	<36 VDC	7.0 A	
200 W	15-33 VDC	<36 VDC	13.3 A	DSF226
280-500 W	10-33 VDC	<36 VDC	28.0 A[1]	DSF500[2]
500 W	0-100 VDC	Vn - Iin x 0.013	28.0 A	FSO461[3]

Dimensions:

DSF100: 1.57 x 1.25 x 0.52 in (39.9 x 31.9 x 13.2 mm)
DSF200LV/DSF226: 2.41 x 1.45 x 0.51 in (61.2 x 36.8 x 13.0 mm)
DSF500: 2.28 x 2.28 x 0.51 in (57.9 x 57.9 x 13.0 mm)
FSO461: 2.28 x 2.28 x 0.51 in (57.9 x 57.9 x 13.0 mm)

Notes:

For models without overtemperature protection, add suffix '-H' e.g. DSF500-H. Contact sales for further information.
1. For input voltages above 18V, maximum load is 500W.
2. DSF500 has surge protection only. To meet stated EMC performance it must be used with FSO461.
3. FSO461 has filter circuitry only. To be used with DSF500 for conducted immunity compliance.

MTC05-30

5-30 Watts

- 10-40VDC Input Range
- Designed for Vetronic & Avionic Use
- Single & Dual Output Versions
- -55 °C Operation Available
- MIL-STD 461 & DEF-STAN 59-411
- MIL-STD 1275 & DEF-STAN 61-5
- 3 Year Warranty
- Active Surge Protection & EMI Filter (MTF50)
- Extended Hold Up Module (MTH100)

Power	Output Voltage	Output Current	Model
4 W	3.3 VDC	1.21 A	MTC0528S3V3
4 W	5.0 VDC	0.80 A	MTC0528S05
5 W	12.0 VDC	0.42 A	MTC0528S12
5 W	15.0 VDC	0.33 A	MTC0528S15
5 W	28.0 VDC	0.18 A	MTC0528S28
10 W	3.3 VDC	3.03 A	MTC1528S3V3
12 W	5.0 VDC	2.40 A	MTC1528S05
15 W	12.0 VDC	1.25 A	MTC1528S12
15 W	15.0 VDC	1.00 A	MTC1528S15
15 W	28.0 VDC	0.54 A	MTC1528S28
15 W*	±12.0 VDC	±1.0 A*	MTC1528D12
15 W*	±15.0 VDC	±0.8 A*	MTC1528D15
20 W	3.3 VDC	6.06 A	MTC3028S3V3
25 W	5.0 VDC	5.00 A	MTC3028S05
32 W	12.0 VDC	2.70 A	MTC3028S12
35 W	15.0 VDC	2.33 A	MTC3028S15
35 W	28.0 VDC	1.25 A	MTC3028S28
30 W*	±12.0 VDC	±2.0 A**	MTC3028D12
30 W*	±15.0 VDC	±1.6 A**	MTC3028D15

Dimensions:

MTC05: 1.260 x 0.760 x 0.340 in (32.0 x 19.3 x 8.7 mm)
MTC15 Single: 1.575 x 1.024 x 0.382 in (40.0 x 26.0 x 9.2 mm)
MTC15 Dual: 1.575 x 1.024 x 0.500 in (40.0 x 26.0 x 12.7 mm)
MTC30: 2.283 x 1.811 x 0.500 in (58.0 x 46.0 x 12.7 mm)

Notes:
For additional ESS screening, add the suffix '-ESS' to the part number e.g. MTC0528S05-ESS. For -55 °C extended operating range option, add suffix '-LT' to the part number e.g. MTC0528S05-LT.
* Max power 15W must not be exceeded.
** Max power 30W must not be exceeded.

MTC35-150

35-150 Watts

- 10-40VDC Input Range
- Designed for Vetronic & Avionic Use
- Magnetic Feedback Technology
- -55 °C to +100 °C Operation
- MIL-STD 461 & DEF-STAN 59-411
- MIL-STD 1275 & DEF-STAN 61-5
- Remote On/Off
- 3 Year Warranty
- Active Surge Protection & EMI Filter (MTF50)
- Extended Hold Up Module (MTH100)

Power	Output Voltage	Output Current	Model
35 W	3.3 VDC	10.00 A	MTC3528S3V3
35 W	5.0 VDC	7.00 A	MTC3528S05
35 W	12.0 VDC	2.90 A	MTC3528S12
35 W	15.0 VDC	2.30 A	MTC3528S15
35 W	28.0 VDC	1.30 A	MTC3528S28

Power	Output Voltage	Output Current	Model
50 W	3.3 VDC	15.00 A	MTC5028S3V3
50 W	5.0 VDC	10.00 A	MTC5028S05
50 W	12.0 VDC	4.20 A	MTC5028S12
50 W	15.0 VDC	3.33 A	MTC5028S15
50 W	28.0 VDC	1.80 A	MTC5028S28

Power	Output Voltage	Output Current	Model
66 W	3.3 VDC	20.00 A	MTC7528S3V3
75 W	5.0 VDC	15.00 A	MTC7528S05
75 W	12.0 VDC	6.25 A	MTC7528S12
75 W	15.0 VDC	5.00 A	MTC7528S15
75 W	28.0 VDC	2.70 A	MTC7528S28
75 W	±12.0 VDC	±3.13 A(1)	MTC7528D12(2)

Power	Output Voltage	Output Current	Model
132 W	3.3 VDC	40.00 A	MTC15028S3V3
150 W	5.0 VDC	30.00 A	MTC15028S05
150 W	12.0 VDC	12.50 A	MTC15028S12
150 W	15.0 VDC	10.00 A	MTC15028S15
150 W	28.0 VDC	5.35 A	MTC15028S28
150 W	±12.0 VDC	±6.25 A(1)	MTC15028D12(2)

Dimensions:

MTC35: 2.0 x 1.10 x 0.5 in (50.8 x 27.9 x 12.7 mm)
MTC50: 2.28 x 1.45 x 0.5 in (58.0 x 36.8 x 12.7 mm)
MTC75/150: 2.4 x 2.28 x 0.5 in (61.0 x 57.9 x 12.7 mm)

Notes:
1. Each output can deliver 70% of the combined current when other output delivers between 5% and 30%.
2. Minimum load of 5% required on one output for ±4% regulation on the other.

RDE03

3 Watts

- Regulated Single & Dual Outputs
- Wide 4:1 Input Range
- 24, 48 & 110 Nominal VDC Input
- 3000VAC Isolation
- Operating Temperature -40 °C to +105 °C
- Complies with EN50155 & IEC60571
- EN50121-3-2 EMC for Rail Applications
- 3 Year Warranty

Power	Output Voltage	Output Current	Model
3 W	5.0 VDC	600 mA	RDE03xxS05
3 W	12.0 VDC	250 mA	RDE03xxS12
3 W	15.0 VDC	200 mA	RDE03xxS15
3 W	±12.0 VDC	±125 mA	RDE03xxD12
3 W	±15.0 VDC	±100 mA	RDE03xxD15

Dimensions:

RDE03: 1.25 x 0.80 x 0.47 in (31.8 x 20.3 x 12.0 mm)

Notes:
For 24V replace xx with 24 e.g. RDE0324S12
48V replace xx with 48 e.g. RDE0348S12
110V replace xx with 110 e.g. RDE03110S12

RDD08

8 Watts

- Regulated Single & Dual Outputs
- 13-70VDC Input (24VDC Nominal)
- 42-176VDC Input (110VDC Nominal)
- EN50121-3-2 EMC
- Complies with EN50155
- DIP24 Package
- -40 °C to +85 °C Operation
- Full Load at +70 °C Ambient
- 3000VDC Isolation
- 3 Year Warranty

Power	Output Voltage	Output Current	Model
8 W	3.3 VDC	2400 mA	RDD0824S3V3
8 W	5.0 VDC	1600 mA	RDD0824S05
8 W	12.0 VDC	665 mA	RDD0824S12
8 W	15.0 VDC	535 mA	RDD0824S15
8 W	±5.0 VDC	±800 mA	RDD0824D05
8 W	±12.0 VDC	±335 mA	RDD0824D12
8 W	±15.0 VDC	±265 mA	RDD0824D15
8 W	3.3 VDC	2400 mA	RDD08110S3V3
8 W	5.0 VDC	1600 mA	RDD08110S05
8 W	12.0 VDC	665 mA	RDD08110S12
8 W	15.0 VDC	535 mA	RDD08110S15
8 W	±5.0 VDC	±800 mA	RDD08110D05
8 W	±12.0 VDC	±335 mA	RDD08110D12
8 W	±15.0 VDC	±265 mA	RDD08110D15

Dimensions:

RDD08: 1.25 x 0.80 x 0.42 in (31.8 x 20.3 x 10.7 mm)

RDC20

20 Watts

- Regulated Single & Dual Outputs
- 36-140VDC Input (72VDC Nominal)
- 55-176VDC Input (110VDC Nominal)
- EN50121-3-2 EMC
- Complies with EN50155
- 1500 VAC Basic Isolation
- -40 °C to +85 °C Operation
- Remote On/Off
- Optional Heatsink
- 3 Year Warranty

Power	Output Voltage	Output Current	Model
20 W	3.3 VDC	6.00 A	RDC2072S3V3
20 W	5.0 VDC	4.00 A	RDC2072S05
20 W	12.0 VDC	1.65 A	RDC2072S12
20 W	15.0 VDC	1.33 A	RDC2072S15
20 W	±5.0 VDC	±2.00 A	RDC2072D05
20 W	±12.0 VDC	±0.83 A	RDC2072D12
20 W	±15.0 VDC	±0.67 A	RDC2072D15
20 W	3.3 VDC	6.00 A	RDC20110S3V3
20 W	5.0 VDC	4.00 A	RDC20110S05
20 W	12.0 VDC	1.65 A	RDC20110S12
20 W	15.0 VDC	1.33 A	RDC20110S15
20 W	±5.0 VDC	±2.00 A	RDC20110D05
20 W	±12.0 VDC	±0.83 A	RDC20110D12
20 W	±15.0 VDC	±0.67 A	RDC20110D15

Dimensions:

RDC20: 2.00 x 1.00 x 0.40 in (50.8 x 25.4 x 10.16 mm)

Notes:
Add suffix '-HK' for optional heatsink.

RDC30

30 Watts

- Regulated Single & Dual Outputs
- 36-140VDC Input (72VDC Nominal)
- 55-176VDC Input (110VDC Nominal)
- EN50121-3-2 EMC
- Complies with EN50155
- 1500VAC Basic Isolation
- -40 °C to +85 °C Operation
- Remote On/Off
- Optional Heatsink
- 3 Year Warranty

Power	Output Voltage	Output Current	Model
30 W	3.3 VDC	6.00 A	RDC30xxS3V3
30 W	5.0 VDC	4.00 A	RDC30xxS05
30 W	12.0 VDC	1.65 A	RDC30xxS12
30 W	15.0 VDC	1.33 A	RDC30xxS15
30 W	±5.0 VDC	±2.00 A	RDC30xxD05
30 W	±12.0 VDC	±0.83 A	RDC30xxD12
30 W	±15.0 VDC	±0.67 A	RDC30xxD15
30 W	+3.3 V, ±12.0 V	5.00 A, ±0.42 A	RDC30xxT0312
30 W	+3.3 V, ±15.0 V	5.00 A, ±0.33 A	RDC30xxT0315
30 W	+5.0 V, ±12.0 V	4.00 A, ±0.42 A	RDC30xxT0512
30 W	+5.0 V, ±15.0 V	4.00 A, ±0.33 A	RDC30xxT0515

Dimensions:

RDC30: 2.00 x 1.00 x 0.40 in (50.8 x 25.4 x 10.16 mm)

Notes:
Add suffix '-HK' for optional heatsink.
For input range: 72V replace xx with 72 e.g. RDC3072S05
110V replace xx with 110 e.g. RDC30110S05

RDC40

40 Watts

- Regulated Single & Dual Outputs
- 36-140VDC Input (72VDC Nominal)
- 55-176VDC Input (110VDC Nominal)
- EN50121-3-2 EMC
- Complies with EN50155
- 1500VAC Basic Isolation
- -40 °C to +85 °C Operation
- Remote On/Off
- Optional Heatsink
- Thermal Shutdown
- 3 Year Warranty

Power	Output Voltage	Output Current	Model
40 W	3.3 VDC	10.00 A	RDC4072S3V3
40 W	5.0 VDC	8.00 A	RDC4072S05
40 W	12.0 VDC	3.35 A	RDC4072S12
40 W	15.0 VDC	2.65 A	RDC4072S15
40 W	±12.0 VDC	±1.65 A	RDC4072D12
40 W	±15.0 VDC	±1.35 A	RDC4072D15
40 W	3.3 VDC	10.00 A	RDC40110S3V3
40 W	5.0 VDC	8.00 A	RDC40110S05
40 W	12.0 VDC	3.35 A	RDC40110S12
40 W	15.0 VDC	2.65 A	RDC40110S15
40 W	±12.0 VDC	±1.65 A	RDC40110D12
40 W	±15.0 VDC	±1.35 A	RDC40110D15

Dimensions:

RDC40: 2.00 x 1.60 x 0.40 in (50.8 x 40.6 x 10.16 mm)

Notes:
Add suffix '-HK' for optional heatsink.

RDF50

50 Watts

- Ultra Wide 12:1 Input Range (14-160VDC)
- Single Output
- Industry Standard Quarter Brick Package
- -40 °C to +100 °C Operation
- 3000VDC Isolation
- Output Trim ±10%
- Remote On/Off & Remote Sense
- Complies with EN50155
- Meets EN50121-3-2
- 3 Year Warranty

Power	Output Voltage	Output Current	Model
50 W	5.0 VDC	6.00 A	RDF5072WS05
50 W	12.0 VDC	4.20 A	RDF5072WS12
50 W	24.0 VDC	2.10 A	RDF5072WS24
50 W	48.0 VDC	1.05 A	RDF5072WS48

Dimensions:

RDF50: 2.28 x 1.45 x 0.50 in (57.9 x 36.8 x 12.7 mm)

RCQ50-75

50-75 Watts

- Regulated Single Output
- 43-101VDC Input (72VDC Nominal)
- 66-160VDC Input (110VDC Nominal)
- Complies with EN50155 and IEC60571
- EN50121-3-2 EMC
- 3000VAC Isolation
- -40 °C to +105 °C Operation
- Remote On/Off & Remote Sense
- Optional Heatsink
- 3 Year Warranty

Power	Output Voltage	Output Current	Model
50 W	5.0 VDC	10.00 A	RCQ50xxS05
50 W	12.0 VDC	4.17 A	RCQ50xxS12
50 W	15.0 VDC	3.33 A	RCQ50xxS15
50 W	24.0 VDC	2.08 A	RCQ50xxS24

Power	Output Voltage	Output Current	Model
75 W	5.0 VDC	15.00 A	RCQ75xxS05
75 W	12.0 VDC	6.25 A	RCQ75xxS12
75 W	15.0 VDC	5.00 A	RCQ75xxS15
75 W	24.0 VDC	3.125 A	RCQ75xxS24

Dimensions:

RCQ50/75: 2.28 x 1.45 x 0.50 in (57.9 x 36.8 x 12.7 mm)

Notes:
Add suffix '-HK' for optional heatsink.
For input range: 72V replace xx with 72 e.g. RCQ5072S05
110V replace xx with 110 e.g. RCQ75110S05

RDL100

100 Watts

- Wide 3:1 Input Range
- 110VDC Nominal
- Complies with EN50155
- Meets EN50121-3-2
- Single Output
- Industry Standard Half Brick Package
- -40 °C to +100 °C Operation
- Output Trim ±10%
- Remote On/Off
- 3 Year Warranty

Power	Output Voltage	Output Current	Model
100 W	12.0 VDC	8.30 A	RDL100110S12
100 W	15.0 VDC	6.70 A	RDL100110S15
100 W	24.0 VDC	4.17 A	RDL100110S24
100 W	28.0 VDC	2.08 A	RDL100110S48

Dimensions:

RDL100: 2.4 x 2.28 x 0.50 in (61.0 x 57.9 x 12.7 mm)

RDQ100

100 Watts

- Regulated Single Output
- 66-160VDC Input (110VDC Nominal)
- EN50121-3-2 EMC
- Up to 92% Efficiency
- Industry Standard Quarter Brick Package
- -40 °C to +100 °C Operation
- Baseplate-cooled
- Remote On/Off & Remote Sense
- 3 Year Warranty

Power	Output Voltage	Output Current	Model
100 W	5.0 VDC	20.0 A	RDQ100110S05
100 W	12.0 VDC	8.40 A	RDQ100110S12
100 W	24.0 VDC	4.20 A	RDQ100110S24

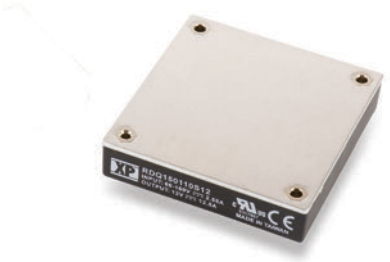
Dimensions:

RDQ100: 2.28 x 1.45 x 0.50 in (57.9 x 36.8 x 12.7 mm)

Notes:
Add suffix 'N' to the model number to receive the unit with negative logic Remote On/Off.

RDQ150

150 Watts



- Regulated Single Output
- 66-160VDC Input (110VDC Nominal)
- EN50121-3-2 EMC
- Up to 92% Efficiency
- Industry Standard Half Brick Package
- -40 °C to +100 °C Operation
- Baseplate-cooled
- Remote On/Off & Remote Sense
- 2250VDC Isolation
- 3 Year Warranty

Power	Output Voltage	Output Current	Model
150 W	5.0 VDC	30.0 A	RDQ150110S05
150 W	12.0 VDC	12.5 A	RDQ150110S12
150 W	24.0 VDC	6.50 A	RDQ150110S24

Dimensions:

RDQ150: 2.40 x 2.28 x 0.50 in (61.0 x 57.9 x 12.7 mm)

Notes:
Add suffix 'N' to the model number to receive the unit with negative logic Remote On/Off.

RDH300

300 Watts

- Wide 4:1 Input Range
- Covers 72 & 110VDC Nominal Inputs
- Complies with EN50155
- Meets EN50121-3-2
- Single Output
- Industry Standard Half Brick Package
- -40 °C to +100 °C Operation
- 3000VDC Isolation
- Output Trim ±10%
- Remote On/Off and Remote Sense
- 3 Year Warranty

Power	Output Voltage	Output Current	Model
300 W	5.0 VDC	60.0 A	RDH30072WS05
300 W	12.0 VDC	25.0 A	RDH30072WS12
300 W	24.0 VDC	12.5 A	RDH30072WS24
300 W	28.0 VDC	10.7 A	RDH30072WS28
300 W	48.0 VDC	6.25 A	RDH30072WS48

Dimensions:

RDH300: 2.40 x 2.28 x 0.50 in (61.0 x 57.9 x 12.7 mm)

RDH600

600 Watts

- Wide 4:1 Input Range
- Covers 72 & 110VDC Nominal Inputs
- Complies with EN50155
- Meets EN50121-3-2
- Single Output
- Industry Standard Full Brick Package
- -40 °C to +100 °C Operation
- Output Trim 60-110%
- Remote On/Off
- 3 Year Warranty

Power	Output Voltage	Output Current	Model
600 W	12.0 VDC	50.0 A	RDH60072WS12
600 W	24.0 VDC	25.0 A	RDH60072WS24
600 W	28.0 VDC	21.4 A	RDH60072WS28
600 W	48.0 VDC	12.5 A	RDH60072WS48

Dimensions:

RDH600: 4.60 x 3.35 x 0.50 in (116.8 x 85.09 x 12.7 mm)

LDU05-56

5-56 Watts

- Constant Current LED Driver
- LED Drive Current From 150 to 1000mA
- LED Strings from 2 to 57VDC
- PWM Dimming Control
- Analog Dimming Control
- High Efficiency - up to 97%
- Open or Short Circuit LED Protection
- 3 Year Warranty

Power	Voltage		Output Current	Model
	Input	Output		
4.2 W	7-16 VDC	2-14 VDC	300 mA	LDU0516S300
4.9 W	7-16 VDC	2-14 VDC	350 mA	LDU0516S350
7 W	7-16 VDC	2-14 VDC	500 mA	LDU0716S500
8 W	7-30 VDC	2-28 VDC	300 mA	LDU0830S300
8 W	7-30 VDC	2-28 VDC	350 mA	LDU0830S350
8.4 W	7-16 VDC	2-14 VDC	600 mA	LDU1416S600
9.8 W	7-16 VDC	2-14 VDC	700 mA	LDU1416S700
14 W	7-16 VDC	2-14 VDC	1000 mA	LDU1416S1000

Power	Voltage		Output Current	Model
	Input	Output		
14 W	7-30 VDC	2-28 VDC	500 mA	LDU2030S500
17 W	7-30 VDC	2-28 VDC	600 mA	LDU2030S600
20 W	7-30 VDC	2-28 VDC	700 mA	LDU2030S700
14 W	7-30 VDC	2-28 VDC	500 mA	LDU2430S500
17 W	7-30 VDC	2-28 VDC	600 mA	LDU2430S600
20 W	7-30 VDC	2-28 VDC	700 mA	LDU2430S700
24 W	7-30 VDC	2-28 VDC	1000 mA	LDU2430S1000

Power	Voltage		Output Current	Model
	Input	Output		
9 W	7-60 VDC	2-57 VDC	150 mA	LDU4860S150
14 W	7-60 VDC	2-57 VDC	250 mA	LDU4860S250
17 W	7-60 VDC	2-57 VDC	300 mA	LDU4860S300
20 W	7-60 VDC	2-57 VDC	350 mA	LDU4860S350
29 W	7-60 VDC	2-57 VDC	500 mA	LDU4860S500
34 W	7-60 VDC	2-57 VDC	600 mA	LDU4860S600
40 W	7-60 VDC	2-57 VDC	700 mA	LDU4860S700
48 W	7-60 VDC	2-48 VDC	1000 mA	LDU4860S1000

Power	Voltage		Output Current	Model
	Input	Output		
16.8 W	9-60 VDC	2-56 VDC	300 mA	LDU5660S300
19.6 W	9-60 VDC	2-56 VDC	350 mA	LDU5660S350
28.0 W	9-60 VDC	2-56 VDC	500 mA	LDU5660S500
33.6 W	9-60 VDC	2-56 VDC	600 mA	LDU5660S600
39.2 W	9-60 VDC	2-56 VDC	700 mA	LDU5660S700
56.0 W	9-60 VDC	2-56 VDC	1000 mA	LDU5660S1000

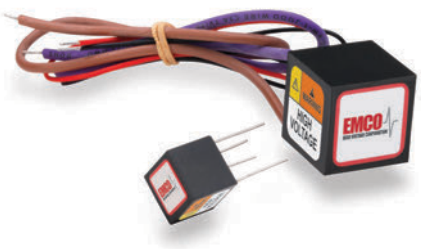
Dimensions:

LDU05/LDU07/LDU14:
0.50 x 0.40 x 0.27 in (12.7 x 10.2 x 6.9 mm)
LDU08/LDU20:
0.80 x 0.40 x 0.27 in (20.3 x 10.2 x 6.9 mm)
LDU24:
0.92 x 0.55 x 0.40 in (23.4 x 14.0 x 10.2 mm)
LDU48/56:
1.25 x 0.80 x 0.49 in (31.8 x 20.3 x 12.5 mm)

Notes:
LDU08, 24, 48 & 56 available as wired versions (100 mm), add suffix '-W'.
For wired (100mm) with dimming control, add suffix '-WD'.

Q

0.5 Watts



- 100VDC to 10kVDC Output Voltage
- Isolated Vout is Proportional to Vin
- Low Turn On Voltage: <0.7VDC
- Positive & Negative Output Versions
- Very Low I/O Leakage Current
- Reversible Polarity (Up to 900V)
- Dual Output/Center Tap Version (Up to 900V)
- 3 Year Warranty

Power	Output Voltage	Output Current	Model
0.5 W	0-100 VDC	5.00 mA	Q01-xx
0.5 W	0-150 VDC	3.33 mA	Q015-xx
0.5 W	0-200 VDC	2.50 mA	Q02-xx
0.5 W	0-250 VDC	2.00 mA	Q025-xx
0.5 W	0-300 VDC	1.67 mA	Q03-xx
0.5 W	0-350 VDC	1.43 mA	Q035-xx
0.5 W	0-400 VDC	1.25 mA	Q04-xx
0.5 W	0-450 VDC	1.11 mA	Q045-xx
0.5 W	0-500 VDC	1.00 mA	Q05-xx
0.5 W	0-600 VDC	0.83 mA	Q06-xx
0.5 W	0-700 VDC	0.71 mA	Q07-xx
0.5 W	0-800 VDC	0.62 mA	Q08-xx
0.5 W	0-900 VDC	0.56 mA	Q09-xx
0.5 W	0-1000 VDC	0.50 mA	Q010-xx
0.5 W	0-1200 VDC	0.41 mA	Q012-xx
0.5 W	0-1500 VDC	0.33 mA	Q015-xx
0.5 W	0-2000 VDC	0.25 mA	Q020-xx
0.5 W	0-2500 VDC	0.2 mA	Q25-xx
0.5 W	0-3000 VDC	0.167 mA	Q30-xx
0.5 W	0-4000 VDC	0.125 mA	Q40-xx
0.5 W	0-5000 VDC	0.100 mA	Q50-xx
0.5 W	0-6000 VDC	83.0 µA	Q60-xx
0.5 W	0-8000 VDC	62.5 µA	Q80-xx
0.5 W	0-10000 VDC	50.0 µA	Q101-xx

Notes:
Select polarity: Standard polarity is positive e.g. Q01-xx
Add 'N' to the part number for negative e.g. Q01N-xx
Select input range: 5V replace xx with 5 e.g. Q01-5
12V replace xx with 12 e.g. Q01-12
15V replace xx with 15 e.g. Q01-15
24V replace xx with 24 e.g. Q01-24
(5V only above 3kV)
For dual output (center tap) add 'CT' to the part number e.g. Q01CT-12, provides ±50VDC output
For extended operational temperature range add suffix 'T' e.g. Q01-12T
For a control pin option, add suffix 'C' e.g. Q01-5C (up to Q50)

Dimensions:

Q01-Q50 (100V-5kV):
0.50 x 0.50 x 0.50 in (12.7 x 12.7 x 12.7 mm)
Q60-Q101 (6kV-10kV):
0.85 x 0.85 x 0.85 in (21.59 x 21.59 x 21.59 mm)

GP

1 Watts

- 100VDC to 6kVDC Output Voltage
- Isolated Vout is Proportional to Vin
- Low Power Consumption
- Low Turn On Voltage: <0.7VDC
- -40 °C to +100 °C Operation
- Positive & Negative Output Versions
- Very Low I/O Leakage Current
- Reversible Polarity
- Optional Mounting Enclosure
- 3 Year Warranty

Power	Input Voltage	Output Voltage	Output Current	Model
1 W	0-12 VDC	0-100 VDC	10.0 mA	GP01
1 W	0-12 VDC	0-200 VDC	5.0 mA	GP02
1 W	0-12 VDC	0-300 VDC	3.3 mA	GP03
1 W	0-12 VDC	0-500 VDC	2.0 mA	GP05
1 W	0-12 VDC	0-600 VDC	1.67 mA	GP06
1 W	0-12 VDC	0-800 VDC	1.25 mA	GP08
1 W	0-12 VDC	0-1000 VDC	1.0 mA	GP10
1 W	0-12 VDC	0-1200 VDC	840 µA	GP12
1 W	0-12 VDC	0-1500 VDC	660 µA	GP15
1 W	0-12 VDC	0-2000 VDC	500 µA	GP20
1 W	0-12 VDC	0-2500 VDC	400 µA	GP25
1 W	0-12 VDC	0-3000 VDC	340 µA	GP30
1 W	0-12 VDC	0-4000 VDC	250 µA	GP40
1 W	0-12 VDC	0-5000 VDC	200 µA	GP50
1 W	0-12 VDC	0-6000 VDC	166 µA	GP60

Dimensions:

GP: 1.5 x 1.5 x 0.63 in (38.1 x 38.1 x 16.0 mm)

Notes:
Add suffix 'AB' to the model number for external mounting enclosure, e.g. GP01AB

A/AH

1/1.5 Watts

- 100VDC to 6kVDC Output Voltage
- Isolated Vout is Proportional to Vin
- Low Turn On Voltage: <0.7VDC
- Ultra-Miniature, Low Profile
- Positive & Negative Output Versions
- Very Low I/O Leakage Current
- 3 Year Warranty

Power	Output Voltage	Output Current	Model
1.0/1.5 W	0-100 VDC	10.00/15.00 mA	A01-xx/AH01-xx
1.0/1.5 W	0-200 VDC	5.00/7.50 mA	A02-xx/AH02-xx
1.0/1.5 W	0-250 VDC	4.00/6.00 mA	A025-xx/AH025-xx
1.0/1.5 W	0-300 VDC	3.33/5.00 mA	A03-xx/AH03-xx
1.0/1.5 W	0-400 VDC	2.50/3.75 mA	A04-xx/AH04-xx
1.0/1.5 W	0-500 VDC	2.00/3.00 mA	A05-xx/AH05-xx
1.0/1.5 W	0-600 VDC	1.67/2.50 mA	A06-xx/AH06-xx
1.0/1.5 W	0-700 VDC	1.43/2.15 mA	A07-xx/AH07-xx
1.0/1.5 W	0-800 VDC	1.25/1.87 mA	A08-xx/AH08-xx
1.0/1.5 W	0-900 VDC	1.10/1.67 mA	A09-xx/AH09-xx
1.0/1.5 W	0-1000 VDC	1.00/1.50 mA	A10-xx/AH10-xx
1.0/1.5 W	0-1200 VDC	0.83/1.25 mA	A12-xx/AH12-xx
1.0/1.5 W	0-1500 VDC	0.67/1.00 mA	A15-xx/AH15-xx
1.0/1.5 W	0-2000 VDC	0.50/0.75 mA	A20-xx/AH20-xx
1.0/1.5 W	0-3000 VDC	0.33/0.50 mA	A30-xx/AH30-xx
1.0/1.5 W	0-4000 VDC	0.25 mA	A40-xx
1.0/1.5 W	0-5000 VDC	0.20 mA	A50-xx
1.0/1.5 W	0-6000 VDC	0.167/0.25 mA	A60-xx/AH60-xx

Dimensions:

A/AH (100-2kV):
0.92 x 0.45 x 0.25 in (23.37 x 11.43 x 6.35 mm)
A/GH (3-5kV):
1.13 x 0.45 x 0.25 in (28.70 x 11.43 x 6.35 mm)
A/AH (6kV):
1.32 x 0.45 x 0.25 in (33.53 x 11.43 x 6.35 mm)

Notes:
Select polarity by adding: 'P' for positive e.g. A01P-xx
'N' for negative e.g. A01N-xx
Select input range: 5 V replace xx with 5 e.g. A01P-5/AHP01-5
12 V replace xx with 12 e.g. A01P-12/AH01P-12
24 V replace xx with 24 e.g. A01P-24/AH01P-24
(5V only above 3kV)
For extended operational temperature range (A models only)
add suffix 'T' e.g. A01P-12T

AG/AGH

1/1.5 Watts

- 100VDC to 6kVDC Output Voltage
- Isolated Vout is Proportional to Vin
- Low Turn On Voltage: <0.7VDC
- Ultra-Miniature, Low Profile, SMT
- Positive & Negative Output Versions
- Very Low I/O Leakage Current
- Surface Mount
- 3 Year Warranty

Power	Output Voltage	Output Current	Model
1.0/1.5 W	0-100 VDC	10.00/15.00 mA	AG01-xx/AGH01-xx
1.0/1.5 W	0-200 VDC	5.00/7.50 mA	AG02-xx/AGH02-xx
1.0/1.5 W	0-250 VDC	4.00/6.00 mA	AG025-xx/AGH025-xx
1.0/1.5 W	0-300 VDC	3.33/5.00 mA	AG03-xx/AGH03-xx
1.0/1.5 W	0-400 VDC	2.50/3.75 mA	AG04-xx/AGH04-xx
1.0/1.5 W	0-500 VDC	2.00/3.00 mA	AG05-xx/AGH05-xx
1.0/1.5 W	0-600 VDC	1.67/2.50 mA	AG06-xx/AGH06-xx
1.0/1.5 W	0-700 VDC	1.43/2.15 mA	AG07-xx/AGH07-xx
1.0/1.5 W	0-800 VDC	1.25/1.87 mA	AG08-xx/AGH08-xx
1.0/1.5 W	0-900 VDC	1.10/1.67 mA	AG09-xx/AGH09-xx
1.0/1.5 W	0-1000 VDC	1.00/1.50 mA	AG10-xx/AGH10-xx
1.0/1.5 W	0-1200 VDC	0.83/1.25 mA	AG12-xx/AGH12-xx
1.0/1.5 W	0-1500 VDC	0.66/1.00 mA	AG15-xx/AGH15-xx
1.0/1.5 W	0-2000 VDC	0.50/0.75 mA	AG20-xx/AGH20-xx
1.0/1.5 W	0-3000 VDC	0.32/0.50 mA	AG30-xx/AGH30-xx
1.0/1.5 W	0-4000 VDC	0.24 mA	AG40-xx
1.0/1.5 W	0-5000 VDC	0.20 mA	AG50-xx
1.0/1.5 W	0-6000 VDC	0.167/0.25 mA	AG60-xx/AGH60-xx

Dimensions:

AG/AGH (100-2kV):
0.92 x 0.45 x 0.25 in (23.37 x 11.43 x 6.35 mm)
AG/AGH (3-5kV):
1.13 x 0.45 x 0.25 in (28.70 x 11.43 x 6.35 mm)
AG/AGH (6kV):
1.32 x 0.45 x 0.25 in (33.53 x 11.43 x 6.35 mm)

Notes:
Select polarity by adding: 'P' for positive e.g. AG01P-xx
'N' for negative e.g. AG01N-xx
Select input range: 5V replace xx with 5 e.g. AG01P-5/AGHP01-5
12V replace xx with 12 e.g. AG01P-12/AGH01P-12
24V replace xx with 24 e.g. AG01P-24/AGH01P-24
(5V only above 3kV)
For extended operational temperature range (AG models only)
add suffix 'T' e.g. AG01P-12T

G

1.5 Watts

- 100VDC to 6kVDC Output Voltage
- Isolated Vout is Proportional to Vin
- Low Turn On Voltage: <0.7VDC
- Positive & Negative Output Versions
- Very Low I/O Leakage Current
- Reversible Polarity
- Optional Mounting Enclosure
- Dual Output/Center Tap Version
- 3 Year Warranty

Power	Input Voltage	Output Voltage	Output Current	Model
1.5 W	0-12 VDC	0-100 VDC	15.00 mA	G01
1.5 W	0-12 VDC	0-200 VDC	7.50 mA	G02
1.5 W	0-12 VDC	0-300 VDC	5.00 mA	G03
1.5 W	0-12 VDC	0-400 VDC	3.75 mA	G04
1.5 W	0-12 VDC	0-500 VDC	3.00 mA	G05
1.5 W	0-12 VDC	0-600 VDC	1.25 mA	G06
1.5 W	0-12 VDC	0-1000 VDC	1.50 mA	G10
1.5 W	0-12 VDC	0-1200 VDC	1.25 mA	G12
1.5 W	0-12 VDC	0-1500 VDC	1.00 mA	G15
1.5 W	0-12 VDC	0-2000 VDC	0.75 mA	G20
1.5 W	0-12 VDC	0-2500 VDC	0.60 mA	G25
1.5 W	0-12 VDC	0-3000 VDC	0.50 mA	G30
1.5 W	0-12 VDC	0-4000 VDC	0.37 mA	G40
1.5 W	0-12 VDC	0-5000 VDC	0.30 mA	G50
1.5 W	0-12 VDC	0-6000 VDC	0.25 mA	G60
0.5 W	0-12 VDC	0-1250 VDC	350 µA	GPMT

Dimensions:

G: 1.5 x 1.5 x 0.63 in (38.1 x 38.1 x 16.0 mm)

Notes:
For dual output (center tap) add 'CT' to the part number e.g. G01CT, provides ±50VDC output
Add suffix 'AB' to the model number for external mounting enclosure, e.g. G01AB

E

2-3 Watts

- 200VDC to 7kVDC (3W) Output Voltage
- 8 kVDC (2W) Output Voltage
- Isolated Vout is Proportional to Vin
- Low Turn On Voltage: <0.7VDC
- Positive & Negative Output Versions
- Very Low I/O Leakage Current
- Reversible Polarity
- Dual Output/Center Tap Version
- 3 Year Warranty

Power	Input Voltage	Output Voltage	Output Current	Model
3 W	0-12 VDC	0-200 VDC	15.0 mA	E02
3 W	0-12 VDC	0-250 VDC	12.0 mA	E02-5
3 W	0-12 VDC	0-300 VDC	10.0 mA	E03
3 W	0-12 VDC	0-500 VDC	6.0 mA	E05
3 W	0-12 VDC	0-600 VDC	5.0 mA	E06
3 W	0-12 VDC	0-750 VDC	4.0 mA	E07-5
3 W	0-12 VDC	0-800 VDC	3.7 mA	E08
3 W	0-12 VDC	0-1000 VDC	3.0 mA	E10
3 W	0-12 VDC	0-1200 VDC	2.5 mA	E12
3 W	0-12 VDC	0-1500 VDC	2.0 mA	E15
3 W	0-12 VDC	0-2000 VDC	1.5 mA	E20
3 W	0-15 VDC	0-3000 VDC	1.0 mA	E30
3 W	0-15 VDC	0-4000 VDC	0.75 mA	E40
3 W	0-15 VDC	0-5000 VDC	0.60 mA	E50
3 W	0-15 VDC	0-6000 VDC	0.50 mA	E60
3 W	0-15 VDC	0-7000 VDC	0.43 mA	E70
2 W	0-15 VDC	0-8000 VDC	0.25 mA	E80

Dimensions:

E: 2.5 x 1.5 x 0.85 in (63.5 x 38.1 x 21.6 mm)

Notes:
For dual output (center tap) add 'CT' to the part number e.g. E02CT, provides ±100VDC output.

F

10 Watts

- 200VDC to 8kVDC Output Voltage
- Isolated Vout is Proportional to Vin
- Low Turn On Voltage: <0.7VDC
- Positive & Negative Output Versions
- Very Low I/O Leakage Current
- Reversible Polarity
- Dual Output/Center Tap Version
- 3 Year Warranty

Power	Input Voltage	Output Voltage	Output Current	Model
10 W	0-12 VDC	0-200 VDC	50.00 mA	F02
10 W	0-12 VDC	0-300 VDC	33.30 mA	F03
10 W	0-12 VDC	0-400 VDC	25.00 mA	F04
10 W	0-12 VDC	0-500 VDC	20.00 mA	F05
10 W	0-12 VDC	0-600 VDC	16.00 mA	F06
10 W	0-12 VDC	0-800 VDC	12.50 mA	F08
10 W	0-12 VDC	0-1000 VDC	10.00 mA	F10
10 W	0-12 VDC	0-1200 VDC	8.30 mA	F12
10 W	0-12 VDC	0-1500 VDC	6.60 mA	F15
10 W	0-12 VDC	0-2000 VDC	5.00 mA	F20
10 W	0-15 VDC	0-3000 VDC	3.30 mA	F30
10 W	0-15 VDC	0-4000 VDC	2.50 mA	F40
10 W	0-15 VDC	0-5000 VDC	2.00 mA	F50
10 W	0-15 VDC	0-6000 VDC	1.66 mA	F60
10 W	0-15 VDC	0-7000 VDC	1.50 mA	F70
10 W	0-15 VDC	0-8000 VDC	1.25 mA	F80

Dimensions:

F (200V-6kV) :
2.8 x 1.7 x 0.85 in (71.2 x 43.18 x 21.59 mm)
F (7kV-8kV):
2.8 x 1.7 x 0.85 in (71.2 x 43.18 x 21.59 mm)

Notes:
For dual output (center tap) add 'CT' to the part number e.g. F02CT, provides ±100VDC output. For mounting holes optioin add suffix 'H'

FS

10 Watts

- 200VDC to 6kVDC Output Voltage
- Isolated Vout is Proportional to Vin
- Low Turn On Voltage: <0.7VDC
- Compact Package With Smart Features
- Positive & Negative Output Versions
- Very Low I/O Leakage Current
- Dual Output/Center Tap Version
- 3 Year Warranty

Power	Output Voltage	Output Current	Model
10 W	0-200 VDC	50.00 mA	FS02-xx
10 W	0-300 VDC	33.30 mA	FS03-xx
10 W	0-500 VDC	20.00 mA	FS05-xx
10 W	0-1000 VDC	10.00 mA	FS10-xx
10 W	0-2000 VDC	5.00 mA	FS20-xx
10 W	0-3000 VDC	3.33 mA	FS30-xx
10 W	0-4000 VDC	2.50 mA	FS40-xx
10 W	0-5000 VDC	2.00 mA	FS50-xx
10 W	0-6000 VDC	1.67 mA	FS60-xx

Notes:
Select polarity by adding: 'P' for positive e.g. FS50P-xx
'N' for negative e.g. FS50N-xx (FS50/60 only)
All others have reversable outputs.
Select input range: 12V replace xx with 12 e.g. FS02-12
15V replace xx with 15 e.g. FS02-15
24V replace xx with 24 e.g. FS02-24
28V replace xx with 28 e.g. FS02-28
For dual output (center tap) add 'CT' to the part number e.g. FS02CT-12, provides ±100VDC output (FS02-FS40, not available FS50/FS60)
For extended operational temperature range add suffix 'T' e.g. FS02-12T

Dimensions:

FS : 2.25 x 1.12 x 0.50 in (57.15 x 28.50 x 12.70 mm)

P

2.4 milliwatts

- 1.2kVDC to 2kVDC Output Voltage
- Precision Regulated
- 0 to 100% Programmable
- Ultra-Low Noise, Magnetic Free Design
- Light Weight, Shielded Case
- Positive & Negative Output Versions
- Voltage Monitor
- Soft-Start for Sensitive Detectors
- 3 Year Warranty

Power	Input Voltage	Output Voltage	Output Current	Model
2.4 mW	5 or 12 VDC	0 to +1200 VDC	2 µA	P12P
2.4 mW	5 or 12 VDC	0 to -1200 VDC	2 µA	P12N
2.4 mW	5 or 12 VDC	0 to +2000 VDC	1 µA	P20P
2.4 mW	5 or 12 VDC	0 to -2000 VDC	1 µA	P20N

Dimensions:

P: 1.38 x 0.68 x 0.25 in (35.05 x 17.27 x 6.40 mm)

Notes:
For extended operational temperature range add suffix 'T' e.g. P12P-T

C

1 Watt

- 100VDC to 8kVDC Output Voltage
- Precision Regulated
- 0 to 100% Programmable
- Low Ripple
- Calibration Trim-Pot
- Positive & Negative Output Versions
- Shielded Case with Isolated Case Ground
- 3 Year Warranty

Power	Input Voltage	Output Voltage	Output Current	Model
1 W	11.5-16 VDC	0-100 VDC	10.00 mA	C01
1 W	11.5-16 VDC	0-200 VDC	5.00 mA	C02
1 W	11.5-16 VDC	0-300 VDC	3.30 mA	C03
1 W	11.5-16 VDC	0-500 VDC	2.00 mA	C05
1 W	11.5-16 VDC	0-600 VDC	1.67 mA	C06
1 W	11.5-16 VDC	0-1000 VDC	1.00 mA	C10
1 W	11.5-16 VDC	0-1200 VDC	1.00 mA	C12
1 W	11.5-16 VDC	0-1500 VDC	0.67 mA	C15
1 W	11.5-16 VDC	0-2000 VDC	0.50 mA	C20
1 W	11.5-16 VDC	0-2500 VDC	0.40 mA	C25
1 W	11.5-16 VDC	0-3000 VDC	0.33 mA	C30
1 W	11.5-16 VDC	0-4000 VDC	0.25 mA	C40
1 W	11.5-16 VDC	0-5000 VDC	0.20 mA	C50
1 W	11.5-16 VDC	0-6000 VDC	0.166 mA	C60
1 W	11.5-16 VDC	0-8000 VDC	0.125 mA	C80

Dimensions:

C (100V-2kV):
1.40 x 1.11 x 0.50 in (35.56 x 28.19 x 0.50 mm)
C (2.5kV- 4kV):
1.75 x 1.11 x 0.50 in (44.5 x 28.19 x12.70 mm)
C (5kV-8kV):
2.10 x 1.11 x 0.50 in (5.34 x 28.19 x 12.70 mm)

Notes:
Select polarity: Standard polarity is positive
Add 'N' to the part number for negative e.g. C02N
(except C01 & C03)
For flying lead version, add suffix 'FL' e.g. C02FL (C01 to C20 only)

CA/CA-T

1 Watt

- 200VDC to 2kVDC Output Voltage
- Precision Regulated
- 0 to 100% Programmable
- Very Low Ripple
- Calibration Trim-Pot
- Positive & Negative Output Versions
- Shielded Case with Isolated Case Ground
- Voltage Monitor
- 3 Year Warranty

Power	Input Voltage	Output Voltage	Output Current	Model
1 W	11.5-15.5 VDC	0-200 VDC	5.0 mA	CA02
1 W	11.5-15.5 VDC	0-500 VDC	2.0 mA	CA05
1 W	11.5-15.5 VDC	0-1000 VDC	1.0 mA	CA10
1 W	11.5-15.5 VDC	0-1200 VDC	0.8 mA	CA12
1 W	11.5-15.5 VDC	0-2000 VDC	0.5 mA	CA20
1 W	4.75-5.25 VDC	0-200 VDC	5.0 mA	CA02-5
1 W	4.75-5.25 VDC	0-500 VDC	2.0 mA	CA05-5
1 W	4.75-5.25 VDC	0-1000 VDC	1.0 mA	CA10-5
1 W	4.75-5.25 VDC	0-1200 VDC	0.8 mA	CA12-5
1 W	4.75-5.25 VDC	0-2000 VDC	0.5 mA	CA20-5

Dimensions:

CA: 1.75 x 1.10 x 0.50 in (44.45 x 27.94 x 12.70 mm)
CA-T: 1.80 x 1.12 x 0.51 in (45.72 x 28.45 x 12.95 mm)

Notes:
Select polarity by adding: 'P' for positive e.g. CA02P-x
'N' for negative e.g. CA02N-x
For extended operational temperature range add suffix 'T' e.g. CA02P-T

CB

1 Watt

- 10kVDC Output Voltage
- Precision Regulated
- 0 to 100% Programmable
- Voltage and Current Monitors
- Operating Temperature -10°C to +60°C
- Calibration Trim-Pot
- Positive & Negative Output Versions
- Steel Case with Isolated Case Ground
- 3 Year Warranty

Power	Input Voltage	Output Voltage	Output Current	Model
1 W	11.5-16.0 VDC	0 to +10000 VDC	100 µA	CB101
1 W	11.5-16.0 VDC	0 to -10000 VDC	100 µA	CB101N

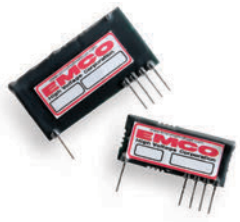
Dimensions:

CB: 3.00 x 1.25 x 0.60 in (76.2x 31.75 x 15.24 mm)

Notes:
For extended operational temperature range, contact sales

SIP90-100

0.1/1 Watt



- 25VDC to 100VDC Output Voltage
- Regulated
- Analog Programmable
- Ultra-Thin, Single In-Line Package
- Low Ripple Biasing Supply
- High Performance, Low Cost
- Enable/Disable Pin
- 3 Year Warranty

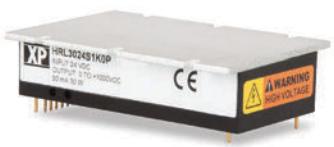
Power	Input Voltage	Output Voltage	Output Current	Model
0.1 W	3.0-6.7 VDC	<25-90 VDC	1 mA	SIP90
1 W	4.0-6.7 VDC	<25-100 VDC	10 mA	SIP100

Dimensions:

SIP90: 1.15 x 0.55 x 0.16 in (29.2 x 13.97 x 4.06 mm)
SIP100: 1.45 x 0.75 x 0.16 in (36.83 x 19.05 x 4.06 mm)

HRL30

30 Watts



- 100VDC to 6kVDC Output Voltage
- Output Voltage & Current Regulated
- 0 to 100% Programmable Voltage & Current
- Voltage & Current Monitor Outputs
- Operating Temperature -40°C to +70°C
- Short Circuit, Arc, and Overload Protections
- On-board +5V Reference
- Positive & Negative Output Versions
- 3 Year Warranty

Power	Input Voltage	Output Voltage	Output Current	Model
30 W	22-30 VDC	0 to 100 VDC	300 mA	HRL3024S100x
30 W	22-30 VDC	0 to 200 VDC	150 mA	HRL3024S200x
30 W	22-30 VDC	0 to 350 VDC	85.7 mA	HRL3024S350x
30 W	22-30 VDC	0 to 600 VDC	50 mA	HRL3024S600x
30 W	22-30 VDC	0 to 1000 VDC	30 mA	HRL3024S1K0x
30 W	22-30 VDC	0 to 1500 VDC	20 mA	HRL3024S1K5x
30 W	22-30 VDC	0 to 2000 VDC	15 mA	HRL3024S2K0x
30 W	22-30 VDC	0 to 2500 VDC	12 mA	HRL3024S2K5x
30 W	22-30 VDC	0 to 3000 VDC	10 mA	HRL3024S3K0x
30 W	22-30 VDC	0 to 4000 VDC	7.5 mA	HRL3024S4K0x
30 W	22-30 VDC	0 to 5000 VDC	6 mA	HRL3024S5K0x
30 W	22-30 VDC	0 to 6000 VDC	5 mA	HRL3024S6K0x

Dimensions:

HRL30: 3.0 x 1.5 x 0.75 in (76.2 x 38.1 x 19.05 mm)

Notes:
For positive output voltage replace suffix 'x' with 'P' e.g. HRL3024S100P provides 0 to +100VDC output. For negative output voltage replace suffix 'x' with 'N' e.g. HRL3024S100N for 0 to -100VDC output.

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