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## Water-proof Power Supply

SW-10W-12



### Feature:

- 10W Single Output Water-proof Power Supply
- Output voltage & current: DC12V 0.83A
- Input voltage range: 180~264VAC
- Built in EMI filter with tiny ripple
- 100% full load burn-in test
- Air Cooling
- Built-in constant current limiting circuit (C.C.+C.V.mode);
- Protection: Short circuit/ Overload/ Over voltage/ Over temperature

CE FC



### Specification:

	Model	SW-10W-12
Output	DC output Voltage	12V±1%
	Output Current Range	0-0.83A
	Wave and Noise	120mVp-p
	DC output Power	10W
	Efficiency	85%
	DC Voltage Adjustable Scope	(at full load)≤0.5%
Input	Voltage Range	180~264VAC 47-63Hz
	Input Current	0.05A/230V
	Leakage Current	<1mA/ 240VAC
	Inrush Current	Cold start 36A/ 230VAC
Protection	Over-load	105%~135%, Protection type: Constant current limiting, recovers automatically after fault condition is removed
	Over-voltage	105%---150% Rated Voltage, Protection type: Shut off
	High-temperature	RTH3>=65°C FAN ON<=55°C FAN OFF>=80°C Cut off output(5~15V)
Environment	Working temperature & humidity	-10°C~+50°C, 20~90%RH
	Store temperature & humidity	-20°C~+85°C, 10~95%RH
	Temperature coefficient	±0.03%/°C(0~50°C)
	Vibration	10~500Hz,2G 10min./1cycle,Period for 60min,EACH AXES
Safety	Withstand voltage	I/P-O/P: 1.5KVAC, I/P-FG: 1.5KVAC, O/P-FG: 0.5KVAC
	Isolation resistance	I/P-O/P,I/P-FG,O/P-FG: 100M Ohms/500VDC
Standard	CE EMC Standard	EN55015:2013+A1:2015, EN61547:2009, EN61000-3-2:2014, EN61000-3-33:2013
	CE LVD Standard	EN61347-2-13:2014+A1:2017, EB61347-1:2015
	ROHS Standard	IEC 62321: 2013, EPA3050B:1996, EN1122:2001, EPA3052:1996, EPA3060A, etc.
Other	Dimension	156*22*20mm (L*W*H)
	Weight	0.14kg
Notes	1. All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25°C of ambient temperature. 2. Ripple & noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1uf & 47uf parallel capacitor. 3. Tolerance : includes set up tolerance, line regulation and load regulation. 4. I/P-O/P: Input and output interval, I/P-FG: Input and enclosure, O/P-FG: Output and enclosure	



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## Water-proof Power Supply

SW-20W-12



### Feature:

- 20W Single Output Water-proof Power Supply
- Output voltage & current: DC12V 1.67A
- Input voltage range: 180~264VAC
- Built in EMI filter with tiny ripple
- 100% full load burn-in test
- Air Cooling
- Built-in constant current limiting circuit (C.C.+C.V.mode);
- Protection: Short circuit/ Overload/ Over voltage/ Over temperature

CE FC



### Specification:

	Model	SW-20W-12
Output	DC output Voltage	12V±1%
	Output Current Range	0-1.67A
	Wave and Noise	120mVp-p
	DC output Power	20W
	Efficiency	85%
	DC Voltage Adjustable Scope	(at full load)≤0.5%
Input	Voltage Range	180~264VAC 47-63Hz
	Input Current	0.1A/230V
	Leakage Current	<1mA/ 240VAC
	Inrush Current	Cold start 36A/ 230VAC
Protection	Over-load	105%~135%, Protection type: Constant current limiting, recovers automatically after fault condition is removed
	Over-voltage	105%---150% Rated Voltage, Protection type: Shut off
	High-temperature	RTH3>=65°C FAN ON<=55°C FAN OFF>=80°C Cut off output(5~15V)
Environment	Working temperature & humidity	-10°C~+50°C, 20~90%RH
	Store temperature & humidity	-20°C~+85°C, 10~95%RH
	Temperature coefficient	±0.03%/°C(0~50°C)
	Vibration	10~500Hz,2G 10min./1cycle,Period for 60min,EACH AXES
Safety	Withstand voltage	I/P-O/P: 1.5KVAC, I/P-FG: 1.5KVAC, O/P-FG: 0.5KVAC
	Isolation resistance	I/P-O/P,I/P-FG,O/P-FG: 100M Ohms/500VDC
Standard	CE EMC Standard	EN55015:2013+A1:2015, EN61547:2009, EN61000-3-2:2014, EN61000-3-33:2013
	CE LVD Standard	EN61347-2-13:2014+A1:2017, EB61347-1:2015
	ROHS Standard	IEC 62321: 2013, EPA3050B:1996, EN1122:2001, EPA3052:1996, EPA3060A, etc.
Other	Dimension	168*22*20mm (L*W*H)
	Weight	0.14kg
Notes	<ol style="list-style-type: none"> <li>1. All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25°C of ambient temperature.</li> <li>2. Ripple &amp; noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1uf &amp; 47uf parallel capacitor.</li> <li>3. Tolerance : includes set up tolerance, line regulation and load regulation.</li> <li>4. I/P-O/P: Input and output interval, I/P-FG: Input and enclosure, O/P-FG: Output and enclosure</li> </ol>	



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## Water-proof Power Supply

SW-30W-12



### Feature:

- 30W Single Output Water-proof Power Supply
- Output voltage & current: DC12V 2.5A
- Input voltage range: 180~264VAC
- Built in EMI filter with tiny ripple
- 100% full load burn-in test
- Air Cooling
- Built-in constant current limiting circuit (C.C.+C.V.mode);
- Protection: Short circuit/ Overload/ Over voltage/ Over temperature

CE FC



### Specification:

	Model	SW-30W-12
Output	DC output Voltage	12V±1%
	Output Current Range	0-2.5A
	Wave and Noise	120mVp-p
	DC output Power	30W
	Efficiency	85%
	DC Voltage Adjustable Scope	(at full load)≤0.5%
Input	Voltage Range	180~264VAC 47-63Hz
	Input Current	0.14A/230V
	Leakage Current	<1mA/ 240VAC
	Inrush Current	Cold start 36A/ 230VAC
Protection	Over-load	105%~135%, Protection type: Constant current limiting, recovers automatically after fault condition is removed
	Over-voltage	105%---150% Rated Voltage, Protection type: Shut off
	High-temperature	RTH3>=65°C FAN ON<=55°C FAN OFF>=80°C Cut off output(5~15V)
Environment	Working temperature & humidity	-10°C~+50°C, 20~90%RH
	Store temperature & humidity	-20°C~+85°C, 10~95%RH
	Temperature coefficient	±0.03%/°C(0~50°C)
	Vibration	10~500Hz,2G 10min./1cycle,Period for 60min,EACH AXES
Safety	Withstand voltage	I/P-O/P: 1.5KVAC, I/P-FG: 1.5KVAC, O/P-FG: 0.5KVAC
	Isolation resistance	I/P-O/P,I/P-FG,O/P-FG: 100M Ohms/500VDC
Standard	CE EMC Standard	EN55015:2013+A1:2015, EN61547:2009, EN61000-3-2:2014, EN61000-3-33:2013
	CE LVD Standard	EN61347-2-13:2014+A1:2017, EB61347-1:2015
	ROHS Standard	IEC 62321: 2013, EPA3050B:1996, EN1122:2001, EPA3052:1996, EPA3060A, etc.
Other	Dimension	240*22*20mm (L*W*H)
	Weight	0.2kg
Notes	<ol style="list-style-type: none"> <li>1. All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25°C of ambient temperature.</li> <li>2. Ripple &amp; noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1uf &amp; 47uf parallel capacitor.</li> <li>3. Tolerance : includes set up tolerance, line regulation and load regulation.</li> <li>4. I/P-O/P: Input and output interval, I/P-FG: Input and enclosure, O/P-FG: Output and enclosure</li> </ol>	





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## Water-proof Power Supply

SW-50W-12



### Feature:

- 50W Single Output Water-proof Power Supply
- Output voltage & current: DC12V 4.2A
- Input voltage range: 180~264VAC
- Built in EMI filter with tiny ripple
- 100% full load burn-in test
- Air Cooling
- Built-in constant current limiting circuit (C.C.+C.V.mode);
- Protection: Short circuit/ Overload/ Over voltage/ Over temperature

CE FC



### Specification:

	Model	SW-50W-12
Output	DC output Voltage	12V±1%
	Output Current Range	0-4.2A
	Wave and Noise	120mVp-p
	DC output Power	50W
	Efficiency	85%
	DC Voltage Adjustable Scope	(at full load)≤0.5%
Input	Voltage Range	180~264VAC 47-63Hz
	Input Current	0.23A/230V
	Leakage Current	<1mA/ 240VAC
	Inrush Current	Cold start 36A/ 230VAC
Protection	Over-load	105%~135%, Protection type: Constant current limiting, recovers automatically after fault condition is removed
	Over-voltage	105%---150% Rated Voltage, Protection type: Shut off
	High-temperature	RTH3>=65°C FAN ON<=55°C FAN OFF>=80°C Cut off output(5~15V)
Environment	Working temperature & humidity	-10°C~+50°C, 20~90%RH
	Store temperature & humidity	-20°C~+85°C, 10~95%RH
	Temperature coefficient	±0.03%/°C(0~50°C)
	Vibration	10~500Hz,2G 10min./1cycle,Period for 60min,EACH AXES
Safety	Withstand voltage	I/P-O/P: 1.5KVAC, I/P-FG: 1.5KVAC, O/P-FG: 0.5KVAC
	Isolation resistance	I/P-O/P,I/P-FG,O/P-FG: 100M Ohms/500VDC
Standard	CE EMC Standard	EN55015:2013+A1:2015, EN61547:2009, EN61000-3-2:2014, EN61000-3-33:2013
	CE LVD Standard	EN61347-2-13:2014+A1:2017, EB61347-1:2015
	ROHS Standard	IEC 62321: 2013, EPA3050B:1996, EN1122:2001, EPA3052:1996, EPA3060A, etc.
Other	Dimension	267*22*20mm (L*W*H)
	Weight	0.23kg
Notes	<ol style="list-style-type: none"> <li>1. All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25°C of ambient temperature.</li> <li>2. Ripple &amp; noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1uf &amp; 47uf parallel capacitor.</li> <li>3. Tolerance : includes set up tolerance, line regulation and load regulation.</li> <li>4. I/P-O/P: Input and output interval, I/P-FG: Input and enclosure, O/P-FG: Output and enclosure</li> </ol>	





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## Water-proof Power Supply

SW-60W-12



### Feature:

- 60W Single Output Water-proof Power Supply
- Output voltage & current: DC12V 5A
- Input voltage range: 180~264VAC
- Built in EMI filter with tiny ripple
- 100% full load burn-in test
- Air Cooling
- Built-in constant current limiting circuit (C.C.+C.V.mode);
- Protection: Short circuit/ Overload/ Over voltage/ Over temperature

CE FC



### Specification:

	Model	SW-60W-12
Output	DC output Voltage	12V±1%
	Output Current Range	0-5A
	Wave and Noise	120mVp-p
	DC output Power	60W
	Efficiency	85%
	DC Voltage Adjustable Scope	(at full load)≤0.5%
Input	Voltage Range	180~264VAC 47-63Hz
	Input Current	0.28A/230V
	Leakage Current	<1mA/ 240VAC
	Inrush Current	Cold start 36A/ 230VAC
Protection	Over-load	105%~135%, Protection type: Constant current limiting, recovers automatically after fault condition is removed
	Over-voltage	105%---150% Rated Voltage, Protection type: Shut off
	High-temperature	RTH3>=65°C FAN ON<=55°C FAN OFF>=80°C Cut off output(5~15V)
Environment	Working temperature & humidity	-10°C~+50°C, 20~90%RH
	Store temperature & humidity	-20°C~+85°C, 10~95%RH
	Temperature coefficient	±0.03%/°C(0~50°C)
	Vibration	10~500Hz,2G 10min./1cycle,Period for 60min,EACH AXES
Safety	Withstand voltage	I/P-O/P: 1.5KVAC, I/P-FG: 1.5KVAC, O/P-FG: 0.5KVAC
	Isolation resistance	I/P-O/P,I/P-FG,O/P-FG: 100M Ohms/500VDC
Standard	CE EMC Standard	EN55015:2013+A1:2015, EN61547:2009, EN61000-3-2:2014, EN61000-3-33:2013
	CE LVD Standard	EN61347-2-13:2014+A1:2017, EB61347-1:2015
	ROHS Standard	IEC 62321: 2013, EPA3050B:1996, EN1122:2001, EPA3052:1996, EPA3060A, etc.
Other	Dimension	172*47*35mm (L*W*H)
	Weight	0.41kg
Notes	<ol style="list-style-type: none"> <li>1. All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25°C of ambient temperature.</li> <li>2. Ripple &amp; noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1uf &amp; 47uf parallel capacitor.</li> <li>3. Tolerance : includes set up tolerance, line regulation and load regulation.</li> <li>4. I/P-O/P: Input and output interval, I/P-FG: Input and enclosure, O/P-FG: Output and enclosure</li> </ol>	



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## Water-proof Power Supply

SW-80W-12



### Feature:

- 80W Single Output Water-proof Power Supply
- Output voltage & current: DC12V 6.7A
- Input voltage range: 180~264VAC
- Built in EMI filter with tiny ripple
- 100% full load burn-in test
- Air Cooling
- Built-in constant current limiting circuit (C.C.+C.V.mode);
- Protection: Short circuit/ Overload/ Over voltage/ Over temperature

CE FC



### Specification:

	Model	SW-80W-12
Output	DC output Voltage	12V±1%
	Output Current Range	0-6.7A
	Wave and Noise	120mVp-p
	DC output Power	80W
	Efficiency	85%
	DC Voltage Adjustable Scope	(at full load)≤0.5%
Input	Voltage Range	180~264VAC 47-63Hz
	Input Current	0.37A/230V
	Leakage Current	<1mA/ 240VAC
	Inrush Current	Cold start 36A/ 230VAC
Protection	Over-load	105%~135%, Protection type: Constant current limiting, recovers automatically after fault condition is removed
	Over-voltage	105%---150% Rated Voltage, Protection type: Shut off
	High-temperature	RTH3>=65°C FAN ON<=55°C FAN OFF>=80°C Cut off output(5~15V)
Environment	Working temperature & humidity	-10°C~+50°C, 20~90%RH
	Store temperature & humidity	-20°C~+85°C, 10~95%RH
	Temperature coefficient	±0.03%/°C(0~50°C)
	Vibration	10~500Hz,2G 10min./1cycle,Period for 60min,EACH AXES
Safety	Withstand voltage	I/P-O/P: 1.5KVAC, I/P-FG: 1.5KVAC, O/P-FG: 0.5KVAC
	Isolation resistance	I/P-O/P,I/P-FG,O/P-FG: 100M Ohms/500VDC
Standard	CE EMC Standard	EN55015:2013+A1:2015, EN61547:2009, EN61000-3-2:2014, EN61000-3-33:2013
	CE LVD Standard	EN61347-2-13:2014+A1:2017, EB61347-1:2015
	ROHS Standard	IEC 62321: 2013, EPA3050B:1996, EN1122:2001, EPA3052:1996, EPA3060A, etc.
Other	Dimension	172*47*35mm (L*W*H)
	Weight	0.43kg
Notes	1. All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25°C of ambient temperature. 2. Ripple & noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1uf & 47uf parallel capacitor. 3. Tolerance : includes set up tolerance, line regulation and load regulation. 4. I/P-O/P: Input and output interval, I/P-FG: Input and enclosure, O/P-FG: Output and enclosure	





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## Water-proof Power Supply

SW-100W-12



### Feature:

- 100W Single Output Water-proof Power Supply
- Output voltage & current: DC12V 8.3A
- Input voltage range: 180~264VAC
- Built in EMI filter with tiny ripple
- 100% full load burn-in test
- Air Cooling
- Built-in constant current limiting circuit (C.C.+C.V.mode);
- Protection: Short circuit/ Overload/ Over voltage/ Over temperature

CE FC



### Specification:

	Model	SW-100W-12
Output	DC output Voltage	12V±1%
	Output Current Range	0-8.3A
	Wave and Noise	120mVp-p
	DC output Power	100W
	Efficiency	85%
	DC Voltage Adjustable Scope	(at full load)≤0.5%
Input	Voltage Range	180~264VAC 47-63Hz
	Input Current	0.45A/230V
	Leakage Current	<1mA/ 240VAC
	Inrush Current	Cold start 36A/ 230VAC
Protection	Over-load	105%~135%, Protection type: Constant current limiting, recovers automatically after fault condition is removed
	Over-voltage	105%---150% Rated Voltage, Protection type: Shut off
	High-temperature	RTH3>=65°C FAN ON<=55°C FAN OFF>=80°C Cut off output(5~15V)
Environment	Working temperature & humidity	-10°C~+50°C, 20~90%RH
	Store temperature & humidity	-20°C~+85°C, 10~95%RH
	Temperature coefficient	±0.03%/°C(0~50°C)
	Vibration	10~500Hz,2G 10min./1cycle,Period for 60min,EACH AXES
Safety	Withstand voltage	I/P-O/P: 1.5KVAC, I/P-FG: 1.5KVAC, O/P-FG: 0.5KVAC
	Isolation resistance	I/P-O/P,I/P-FG,O/P-FG: 100M Ohms/500VDC
Standard	CE EMC Standard	EN55015:2013+A1:2015, EN61547:2009, EN61000-3-2:2014, EN61000-3-33:2013
	CE LVD Standard	EN61347-2-13:2014+A1:2017, EB61347-1:2015
	ROHS Standard	IEC 62321: 2013, EPA3050B:1996, EN1122:2001, EPA3052:1996, EPA3060A, etc.
Other	Dimension	203*47*35mm (L*W*H)
	Weight	0.51kg
Notes	1. All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25°C of ambient temperature. 2. Ripple & noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1uf & 47uf parallel capacitor. 3. Tolerance : includes set up tolerance, line regulation and load regulation. 4. I/P-O/P: Input and output interval, I/P-FG: Input and enclosure, O/P-FG: Output and enclosure	





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## Water-proof Power Supply

SW-120W-12



### Feature:

- 120W Single Output Water-proof Power Supply
- Output voltage & current: DC12V 10A
- Input voltage range: 180~264VAC
- Built in EMI filter with tiny ripple
- 100% full load burn-in test
- Air Cooling
- Built-in constant current limiting circuit (C.C.+C.V.mode);
- Protection: Short circuit/ Overload/ Over voltage/ Over temperature

CE FC



### Specification:

	Model	SW-120W-12
Output	DC output Voltage	12V±1%
	Output Current Range	0-10A
	Wave and Noise	120mVp-p
	DC output Power	120W
	Efficiency	85%
	DC Voltage Adjustable Scope	(at full load)≤0.5%
Input	Voltage Range	180~264VAC 47-63Hz
	Input Current	0.54A/230V
	Leakage Current	<1mA/ 240VAC
	Inrush Current	Cold start 36A/ 230VAC
Protection	Over-load	105%~135%, Protection type: Constant current limiting, recovers automatically after fault condition is removed
	Over-voltage	105%---150% Rated Voltage, Protection type: Shut off
	High-temperature	RTH3>=65°C FAN ON<=55°C FAN OFF>=80°C Cut off output(5~15V)
Environment	Working temperature & humidity	-10°C~+50°C, 20~90%RH
	Store temperature & humidity	-20°C~+85°C, 10~95%RH
	Temperature coefficient	±0.03%/°C(0~50°C)
	Vibration	10~500Hz,2G 10min./1cycle,Period for 60min,EACH AXES
Safety	Withstand voltage	I/P-O/P: 1.5KVAC, I/P-FG: 1.5KVAC, O/P-FG: 0.5KVAC
	Isolation resistance	I/P-O/P,I/P-FG,O/P-FG: 100M Ohms/500VDC
Standard	CE EMC Standard	EN55015:2013+A1:2015, EN61547:2009, EN61000-3-2:2014, EN61000-3-33:2013
	CE LVD Standard	EN61347-2-13:2014+A1:2017, EB61347-1:2015
	ROHS Standard	IEC 62321: 2013, EPA3050B:1996, EN1122:2001, EPA3052:1996, EPA3060A, etc.
Other	Dimension	203*47*35mm (L*W*H)
	Weight	0.52kg
Notes	<ol style="list-style-type: none"> <li>1. All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25°C of ambient temperature.</li> <li>2. Ripple &amp; noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1uf &amp; 47uf parallel capacitor.</li> <li>3. Tolerance : includes set up tolerance, line regulation and load regulation.</li> <li>4. I/P-O/P: Input and output interval, I/P-FG: Input and enclosure, O/P-FG: Output and enclosure</li> </ol>	



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## Water-proof Power Supply

SW-150W-12



CE FC



### Feature:

- 150W Single Output Water-proof Power Supply
- Output voltage & current: DC12V 12.5A
- Input voltage range: 180~264VAC
- Built in EMI filter with tiny ripple
- 100% full load burn-in test
- Air Cooling
- Built-in constant current limiting circuit (C.C.+C.V.mode);
- Protection: Short circuit/ Overload/ Over voltage/ Over temperature



### Specification:

	Model	SW-150W-12
Output	DC output Voltage	12V±1%
	Output Current Range	0-12.5A
	Wave and Noise	120mVp-p
	DC output Power	150W
	Efficiency	85%
	DC Voltage Adjustable Scope	(at full load)≤0.5%
Input	Voltage Range	180~264VAC 47-63Hz
	Input Current	0.67A/230V
	Leakage Current	<1mA/ 240VAC
	Inrush Current	Cold start 36A/ 230VAC
Protection	Over-load	105%~135%, Protection type: Constant current limiting, recovers automatically after fault condition is removed
	Over-voltage	105%---150% Rated Voltage, Protection type: Shut off
	High-temperature	RTH3>=65°C FAN ON<=55°C FAN OFF>=80°C Cut off output(5~15V)
Environment	Working temperature & humidity	-10°C~+50°C, 20~90%RH
	Store temperature & humidity	-20°C~+85°C, 10~95%RH
	Temperature coefficient	±0.03%/°C(0~50°C)
	Vibration	10~500Hz,2G 10min./1cycle,Period for 60min,EACH AXES
Safety	Withstand voltage	I/P-O/P: 1.5KVAC, I/P-FG: 1.5KVAC, O/P-FG: 0.5KVAC
	Isolation resistance	I/P-O/P,I/P-FG,O/P-FG: 100M Ohms/500VDC
Standard	CE EMC Standard	EN55015:2013+A1:2015, EN61547:2009, EN61000-3-2:2014, EN61000-3-33:2013
	CE LVD Standard	EN61347-2-13:2014+A1:2017, EB61347-1:2015
	ROHS Standard	IEC 62321: 2013, EPA3050B:1996, EN1122:2001, EPA3052:1996, EPA3060A, etc.
Other	Dimension	203*47*35mm (L*W*H)
	Weight	0.51kg
Notes	<ol style="list-style-type: none"> <li>1. All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25°C of ambient temperature.</li> <li>2. Ripple &amp; noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1uf &amp; 47uf parallel capacitor.</li> <li>3. Tolerance : includes set up tolerance, line regulation and load regulation.</li> <li>4. I/P-O/P: Input and output interval, I/P-FG: Input and enclosure, O/P-FG: Output and enclosure</li> </ol>	



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## Water-proof Power Supply

SW-200W-12



### Feature:

- 200W Single Output Water-proof Power Supply
- Output voltage & current: DC12V 16.7A
- Input voltage range: 180~264VAC
- Built in EMI filter with tiny ripple
- 100% full load burn-in test
- Air Cooling
- Built-in constant current limiting circuit (C.C.+C.V.mode);
- Protection: Short circuit/ Overload/ Over voltage/ Over temperature

CE FC



### Specification:

	Model	SW-200W-12
Output	DC output Voltage	12V±1%
	Output Current Range	0-16.7A
	Wave and Noise	120mVp-p
	DC output Power	200W
	Efficiency	85%
	DC Voltage Adjustable Scope	(at full load)≤0.5%
Input	Voltage Range	180~264VAC 47-63Hz
	Input Current	0.9A/230V
	Leakage Current	<1mA/ 240VAC
	Inrush Current	Cold start 36A/ 230VAC
Protection	Over-load	105%~135%, Protection type: Constant current limiting, recovers automatically after fault condition is removed
	Over-voltage	105%---150% Rated Voltage, Protection type: Shut off
	High-temperature	RTH3>=65°C FAN ON<=55°C FAN OFF>=80°C Cut off output(5~15V)
Environment	Working temperature & humidity	-10°C~+50°C, 20~90%RH
	Store temperature & humidity	-20°C~+85°C, 10~95%RH
	Temperature coefficient	±0.03%/°C(0~50°C)
	Vibration	10~500Hz,2G 10min./1cycle,Period for 60min,EACH AXES
Safety	Withstand voltage	I/P-O/P: 1.5KVAC, I/P-FG: 1.5KVAC, O/P-FG: 0.5KVAC
	Isolation resistance	I/P-O/P,I/P-FG,O/P-FG: 100M Ohms/500VDC
Standard	CE EMC Standard	EN55015:2013+A1:2015, EN61547:2009, EN61000-3-2:2014, EN61000-3-33:2013
	CE LVD Standard	EN61347-2-13:2014+A1:2017, EB61347-1:2015
	ROHS Standard	IEC 62321: 2013, EPA3050B:1996, EN1122:2001, EPA3052:1996, EPA3060A, etc.
Other	Dimension	236*66*43mm (L*W*H)
	Weight	1kg
Notes	1. All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25°C of ambient temperature. 2. Ripple & noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1uf & 47uf parallel capacitor. 3. Tolerance : includes set up tolerance, line regulation and load regulation. 4. I/P-O/P: Input and output interval, I/P-FG: Input and enclosure, O/P-FG: Output and enclosure	





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## Water-proof Power Supply

SW-250W-12



### Feature:

- 250W Single Output Water-proof Power Supply
- Output voltage & current: DC12V 21A
- Input voltage range: 180~264VAC
- Built in EMI filter with tiny ripple
- 100% full load burn-in test
- Air Cooling
- Built-in constant current limiting circuit (C.C.+C.V.mode);
- Protection: Short circuit/ Overload/ Over voltage/ Over temperature

CE FC



### Specification:

	Model	SW-250W-12
Output	DC output Voltage	12V±1%
	Output Current Range	0-21A
	Wave and Noise	120mVp-p
	DC output Power	250W
	Efficiency	85%
	DC Voltage Adjustable Scope	(at full load)≤0.5%
Input	Voltage Range	180~264VAC 47-63Hz
	Input Current	1.1A/230V
	Leakage Current	<1mA/ 240VAC
	Inrush Current	Cold start 36A/ 230VAC
Protection	Over-load	105%~135%, Protection type: Constant current limiting, recovers automatically after fault condition is removed
	Over-voltage	105%---150% Rated Voltage, Protection type: Shut off
	High-temperature	RTH3>=65°C FAN ON<=55°C FAN OFF>=80°C Cut off output(5~15V)
Environment	Working temperature & humidity	-10°C~+50°C, 20~90%RH
	Store temperature & humidity	-20°C~+85°C, 10~95%RH
	Temperature coefficient	±0.03%/°C(0~50°C)
	Vibration	10~500Hz,2G 10min./1cycle,Period for 60min,EACH AXES
Safety	Withstand voltage	I/P-O/P: 1.5KVAC, I/P-FG: 1.5KVAC, O/P-FG: 0.5KVAC
	Isolation resistance	I/P-O/P,I/P-FG,O/P-FG: 100M Ohms/500VDC
Standard	CE EMC Standard	EN55015:2013+A1:2015, EN61547:2009, EN61000-3-2:2014, EN61000-3-33:2013
	CE LVD Standard	EN61347-2-13:2014+A1:2017, EB61347-1:2015
	ROHS Standard	IEC 62321: 2013, EPA3050B:1996, EN1122:2001, EPA3052:1996, EPA3060A, etc.
Other	Dimension	236*66*43mm (L*W*H)
	Weight	1.1kg
Notes	1. All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25°C of ambient temperature. 2. Ripple & noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1uf & 47uf parallel capacitor. 3. Tolerance : includes set up tolerance, line regulation and load regulation. 4. I/P-O/P: Input and output interval, I/P-FG: Input and enclosure, O/P-FG: Output and enclosure	



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## Water-proof Power Supply

SW-300W-12



### Feature:

- 300W Single Output Water-proof Power Supply
- Output voltage & current: DC12V 25A
- Input voltage range: 180~264VAC
- Built in EMI filter with tiny ripple
- 100% full load burn-in test
- Air Cooling
- Built-in constant current limiting circuit (C.C.+C.V.mode);
- Protection: Short circuit/ Overload/ Over voltage/ Over temperature

CE FC



### Specification:

	Model	SW-300W-12
Output	DC output Voltage	12V±1%
	Output Current Range	0-25A
	Wave and Noise	120mVp-p
	DC output Power	300W
	Efficiency	85%
	DC Voltage Adjustable Scope	(at full load)≤0.5%
Input	Voltage Range	180~264VAC 47-63Hz
	Input Current	1.1A/230V
	Leakage Current	<1mA/ 240VAC
	Inrush Current	Cold start 36A/ 230VAC
Protection	Over-load	105%~135%, Protection type: Constant current limiting, recovers automatically after fault condition is removed
	Over-voltage	105%---150% Rated Voltage, Protection type: Shut off
	High-temperature	RTH3>=65°C FAN ON<=55°C FAN OFF>=80°C Cut off output(5~15V)
Environment	Working temperature & humidity	-10°C~+50°C, 20~90%RH
	Store temperature & humidity	-20°C~+85°C, 10~95%RH
	Temperature coefficient	±0.03%/°C(0~50°C)
	Vibration	10~500Hz,2G 10min./1cycle,Period for 60min,EACH AXES
Safety	Withstand voltage	I/P-O/P: 1.5KVAC, I/P-FG: 1.5KVAC, O/P-FG: 0.5KVAC
	Isolation resistance	I/P-O/P,I/P-FG,O/P-FG: 100M Ohms/500VDC
Standard	CE EMC Standard	EN55015:2013+A1:2015, EN61547:2009, EN61000-3-2:2014, EN61000-3-33:2013
	CE LVD Standard	EN61347-2-13:2014+A1:2017, EB61347-1:2015
	ROHS Standard	IEC 62321: 2013, EPA3050B:1996, EN1122:2001, EPA3052:1996, EPA3060A, etc.
Other	Dimension	256*74*45mm (L*W*H)
	Weight	1.2kg
Notes	<ol style="list-style-type: none"> <li>1. All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25°C of ambient temperature.</li> <li>2. Ripple &amp; noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1uf &amp; 47uf parallel capacitor.</li> <li>3. Tolerance : includes set up tolerance, line regulation and load regulation.</li> <li>4. I/P-O/P: Input and output interval, I/P-FG: Input and enclosure, O/P-FG: Output and enclosure</li> </ol>	





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## Water-proof Power Supply

SW-400W-12



### Feature:

- 400W Single Output Water-proof Power Supply
- Output voltage & current: DC12V 33.3A
- Input voltage range: 180~264VAC
- Built in EMI filter with tiny ripple
- 100% full load burn-in test
- Air Cooling
- Built-in constant current limiting circuit (C.C.+C.V.mode);
- Protection: Short circuit/ Overload/ Over voltage/ Over temperature

CE FC



### Specification:

	Model	SW-400W-12
Output	DC output Voltage	12V±1%
	Output Current Range	0-33.3A
	Wave and Noise	120mVp-p
	DC output Power	400W
	Efficiency	85%
	DC Voltage Adjustable Scope	(at full load)≤0.5%
Input	Voltage Range	180~264VAC 47-63Hz
	Input Current	1.8A/230V
	Leakage Current	<1mA/ 240VAC
	Inrush Current	Cold start 36A/ 230VAC
Protection	Over-load	105%~135%, Protection type: Constant current limiting, recovers automatically after fault condition is removed
	Over-voltage	105%---150% Rated Voltage, Protection type: Shut off
	High-temperature	RTH3>=65°C FAN ON<=55°C FAN OFF>=80°C Cut off output(5~15V)
Environment	Working temperature & humidity	-10°C~+50°C, 20~90%RH
	Store temperature & humidity	-20°C~+85°C, 10~95%RH
	Temperature coefficient	±0.03%/°C(0~50°C)
	Vibration	10~500Hz,2G 10min./1cycle,Period for 60min,EACH AXES
Safety	Withstand voltage	I/P-O/P: 1.5KVAC, I/P-FG: 1.5KVAC, O/P-FG: 0.5KVAC
	Isolation resistance	I/P-O/P,I/P-FG,O/P-FG: 100M Ohms/500VDC
Standard	CE EMC Standard	EN55015:2013+A1:2015, EN61547:2009, EN61000-3-2:2014, EN61000-3-33:2013
	CE LVD Standard	EN61347-2-13:2014+A1:2017, EB61347-1:2015
	ROHS Standard	IEC 62321: 2013, EPA3050B:1996, EN1122:2001, EPA3052:1996, EPA3060A, etc.
Other	Dimension	260*120*51mm (L*W*H)
	Weight	2.35kg
Notes	<ol style="list-style-type: none"> <li>1. All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25°C of ambient temperature.</li> <li>2. Ripple &amp; noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1uf &amp; 47uf parallel capacitor.</li> <li>3. Tolerance : includes set up tolerance, line regulation and load regulation.</li> <li>4. I/P-O/P: Input and output interval, I/P-FG: Input and enclosure, O/P-FG: Output and enclosure</li> </ol>	