



MOREDAY



**Contact us for brand new, refurbished or used
MOREDAY Equipment**

AGS-TECH Inc.

Phone: +1-505-550-6501 and +1-505-565-5102;

Fax: +1-505-814-5778

Email: sales@agstech.net

Web: <http://www.agstech.net>

**MORE ECONOMICAL
MORE POWERFUL
MORE NATURAL**

MOREDAY

Corporate Advantage



Sustainable and Stable Operation

- Perfect enterprise management system
- Twelve years of focusing on combiner boxes products



Global Marketing System

- Large-scale production, products shipment more than 5 GW capacity
- Exported to more than 50 countries and regions all over the world



International Product Certification

- ISO9001 quality management system
- TUV, CE, CQC, CB, ROHS certifications



Well Developed

- National High-tech Enterprises
- A number of high-tech products and patents
- Continuous Technical Development Capability



Global Service Guarantee

- Professional Life Cycle Management
- Tailor-made services to specific needs
- Customer centered service system
- 12 years technology accumulation, rich experience in project service

Share the sunny life

COMPANY PROFILE

Founded in 2009, Moreday Solar is a R&D and manufacturing company integrating photovoltaics and new energy industry. The original intention of Moreday Solar is to bring more clean energy to the world and enjoy a better life.

The company's main products: photovoltaic complete plant and grid-connected products, low-voltage electrical, energy storage and application products, solar power transmission and distribution products and solar system manufacturing.



The company takes solar energy sharing as its vision, technological innovation as its driving force, customer-oriented, and has obtained more than 30 national patents. Its products have passed CQC, CE, CB, TUV, ROHS and other certifications, and ISO9001 quality system certification, with more than 1,000 services. Customers, the products are exported to more than 50 countries in Europe, America, Southeast Asia, the Middle East and other regions.

We hope to work with more partners to bring solar energy to every region of the world, promote the widespread use of green and clean energy, and leave more day for the earth.

2009

2021



5GW

Total 2000+
Project experience



50+

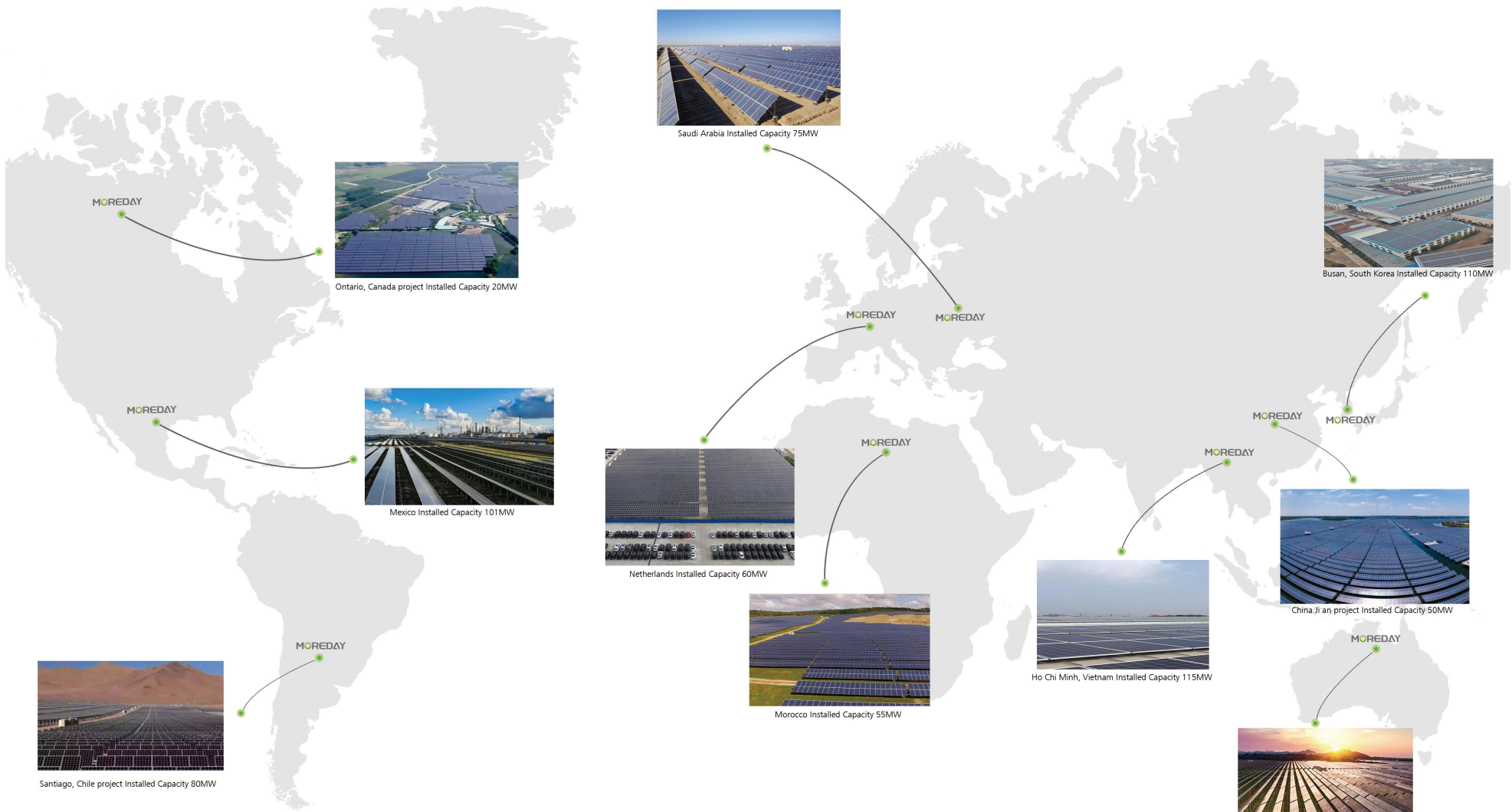
Countries
And regions across the globe



PARTNERSHIP



- Member of Asian Photovoltaic Industry Association
- National high-tech enterprise
- Well-known brands in China's photovoltaic industry in 2019
- Caring for employees and caring enterprises in 2020
- 2019、2020 SNEC Megawatt Jade Award
- 2020 Outstanding Photovoltaic Enterprise
- Chinese technology-based SMEs
- Zhejiang Promise-keeping 3A Enterprise



50+
Exporting Countries

5GW+
Cumulative shipments

30+
Patents

12 yrs
Industry experience

1000 +
Global customers

DC Combiner Box

Fast and Flexible-The Solution for Commercial and Industrial Installations



MDJB(A)-4 Strings Plastic Combiner Box



MDJB(A)-4 Strings Plastic Combiner Box



MDJB(B)-4 Strings Plastic Combiner Box



MDJB(B)-4 Strings Plastic Combiner Box



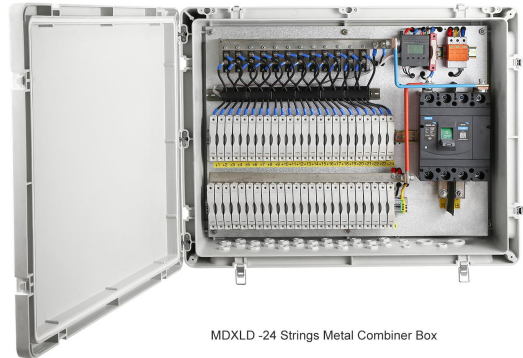
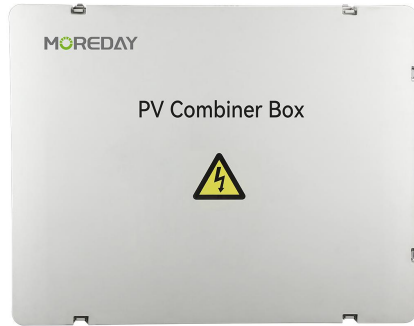
Technical Parameters

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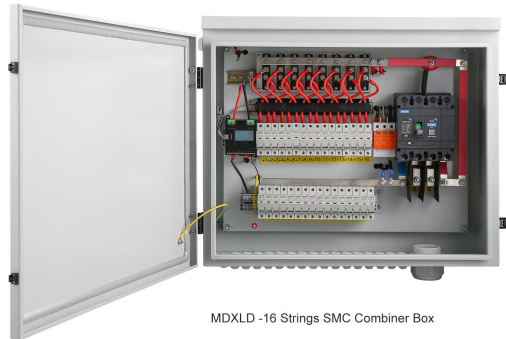
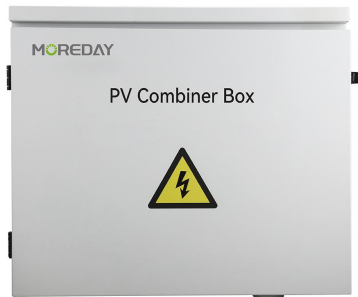
Model	MDJB-1/1	MDJB-2/1	MDJB-3/1	MDJB-4/1	MDJB-6/1	MDJB-24/1
Basic parameters						
DC input string	1 String	2 String	3 String	4 String	6 String	24 String
DC output string	1 String	1 String	1 String	1 String	1 String	1 String
Maximum DC input voltage	1000V	1000V	1000V	1000V	1000V	1000V
Maximum DC short-circuit current	15 to 32A(Optional)	15 to 32A(Optional)	15 to 32A(Optional)	15 to 32A(Optional)	15 to 32A(Optional)	15 to 32A(Optional)
Maximum DC output current	32A	32A	32A	63A	80A	400A
DC monitoring	Optional	Optional	Optional	Optional	Optional	Optional
Enclosure						
Cabinet material	PC/ABS	PC/ABS	PC/ABS	PC/ABS	PC/ABS	SMC
Anti-UV	Yes	Yes	Yes	Yes	Yes	Yes
Foreign body protection level	IP65	IP65	IP65	IP65	IP65	IP65
Collision protection level	IK10	IK10	IK10	IK10	IK10	IK10
Dimensions(W*H*D)	220*200*110mm	220*200*110mm	270*230*110mm	375*230*110mm	270*530*110mm	800*1000*250mm
DC input port	PG09, 2.5 to4mm ²	PG09, 2.5 to4mm ²	PG09, 2.5 to4mm ²	PG09, 2.5 to4mm ²	PG09, 2.5 to4mm ²	PG09, 2.5 to4mm ²
DC output port	PG25, 4 to6mm ²	PG25, 4 to 6mm ²	PG25, 6 to10mm ²	PG25, 10 to 16mm ²	PG36, 12 to 16mm ²	PG36, 32 to 50mm ²
DC surge protection						
Maximum working voltage	1000 V	1000 V	1000 V	1000 V	1000 V	1500 V
Maximum discharge current	40 kA	40 kA	40 kA	40 kA	40 kA	40 kA
Executive Standard	EN 50539-11 Type 2	EN 50539-11 Type 2	EN 50539-11 Type 2	EN 50539-11 Type 2	EN 50539-11 Type 2	EN 50539-11 Type 2
DC isolated switch						
Rated insulation pad	1000 V	1000 V	1000 V	1000 V	1000 V	N/A
Rated current	32kA	32 kA	32 kA	63 kA	80 kA	N/A
Classification	DC-PV1/DC-PV2	DC-PV1/DC-PV2	DC-PV1/DC-PV2	DC-PV1/DC-PV2	DC-PV1/DC-PV2	N/A
DC fuse						
Rated working voltage	1000 V	1000 V	1000 V	1000 V	1000 V	1500 V
Rated current	15 to 32A(Optional)	15 to 32A(Optional)	15 to 32A(Optional)	15 to 32A(Optional)	15 to 32A(Optional)	15 to 50A(Optional)
Dimensions (W*H*D)	Φ10 * 38 mm	Φ10 * 38 mm	Φ10 * 38 mm	Φ10 * 38 mm	Φ10 * 38 mm	Φ10 * 85 mm
Environmental parameters						
Operating temperature	-20 °C to +60 °C	-20 °C to +60 °C	-20 °C to +60 °C	-20 °C to +60 °C	-20 °C to +60 °C	-20 °C to +60 °C
Humidity	99%	99%	99%	99%	99%	99%
Altitude	2000m (2000m Above derating)					
Installation method	Wall-mounted installation					
Certification CE , CB,T UV , IEC/EN 60947-3, UL508I						

DC Combiner Box

Fast and Flexible-The Solution for Commercial and Industrial Installations



MDXLD -24 Strings Metal Combiner Box



MDXLD -16 Strings SMC Combiner Box



Technical Parameters

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Model	MDXLD-4/1	MDXLD-6/1	MDXLD-8/1	MDXLD-12/1	MDXLD-16/1	MDXLD-24/1
Electrical parameters						
System maximum DC voltage	1500	1500	1500	1500	1500	1800
Maximum input current per channel	15A	15A	15A	15A	15A	15A
Maximum number of input channels	4	6	8	12	16	24
Maximum output switching current	100A	100A	100A	100A	200A	400A
Number of inverter MPPT	N	N	N	N	N	N
Number of output channels	1	1	1	1	1	1
Lightning protection						
Test category	II pole protection	II pole protection	II pole protection	II pole protection	II pole protection	II pole protection
Nominal discharge current	20kA	20kA	20kA	20kA	20kA	20kA
Maximum discharge current	40kA	40kA	40kA	40kA	40kA	40kA
Voltage protection level	3.8kV	3.8kV	3.8kV	3.8kV	3.8kV	3.8kV
Maximum continuous operating voltage	1500V	1500V	1500V	1500V	1500V	1500V
Number of poles	3P	3P	3P	3P	3P	3P
Structural features	Pluggable module	Pluggable module	Pluggable module	Pluggable module	Pluggable module	Pluggable module
System						
Protection level	IP65	IP65	IP65	IP65	IP65	IP65
Output switch	DC circuit breaker (standard) / DC rotary isolating switch (optional)					
SMC4 waterproof connector	Standard	Standard	Standard	Standard	Standard	Standard
Photovoltaic DC fuse	Standard	Standard	Standard	Standard	Standard	Standard
Photovoltaic DC surge protector	Standard	Standard	Standard	Standard	Standard	Standard
Monitoring module	Optional	Optional	Optional	Optional	Optional	Optional
Anti-reverse diode	Optional	Optional	Optional	Optional	Optional	Optional
Box material	Metal	Metal	Metal	Metal	Metal	Metal/SMC
Installation method	Wall-mounted	Wall-mounted	Wall-mounted	Wall-mounted	Wall-mounted	Wall-mounted
Operating temperature	-25°C~+ 55°C	-25°C~+ 55°C	-25°C~+ 55°C	-25°C~+ 55°C	-25°C~+ 55°C	-25°C~+ 55°C
Altitude	2000m (2000m Above derating)					
Allow relative humidity	0~95%, no condensation					

Solar Panel Connector

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MD-MC4(1000V)



MD-MC4(1500V)



PV-MDT2



PV-MDT3



PV-MDT4



PV-MDT6



PV-MDY2



PV-MDY3



PV-MDY4



PV-MD-MC4-S(1000V)



Solar Panel Connector With PV Fuse



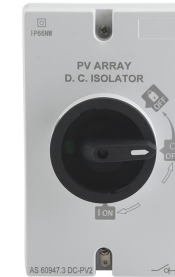
Solar Panel Connector With Diode

Technical data

Rated voltage	1000V/1500V DC
Rated current	17A,22A,30A,45A(1.5mm ² , 2.5mm ² , 14AWG, 4mm ² , 6mm ² , 12AWG, 10AWG, 10mm ²)
Temperature Range	-40°C...+90°C(IEC)-40°C...+75°C(UL)
Upper Temperature Limit	+105°C(IEC)
Protection level	IP67
Flams class	UL-94-V0

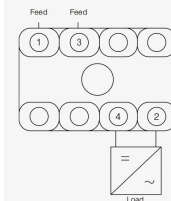
DC Isolate Switch

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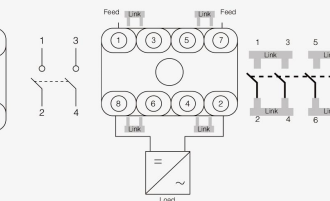


Technical data

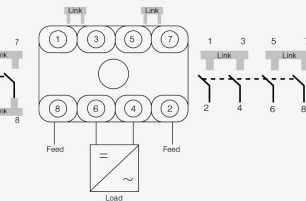
Photovoltaic DC isolated switch	Rated current 16A 25A 32A
Product number MDIS-40MD-16/25/32V DC	Rated voltage 1200V
Opening method Handle 90° Rotary switch	Housing material PC+ABS
Ambient temperature -5°C~40°C	Shell waterproof rating IP66NW
Shell flame rating V1	Housing environment Outdoor UV (UV)
Switch body energized part copper	Inlet hole size M20 knockout hole
Switch body plastic part nylon	Switch body plastic flame retardant VO



2 poles in series



Parallel 2 poles



4 poles in series

DC Molded Case Circuit Breakers

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DC Molded Case Circuit Breakers

Model	MDM1Z-125 PV	MDM1Z-250 PV	MDM1Z-400 PV	MDM1Z-630 PV
Rated continuous current	125	250	400	630
Rated current In(A)	20-125	125-250	250-400	400-630
Rated working voltage ul(V)	250V-1000V	500V-1000V	500V-1000V	500V-1000V
Rated impulse withstand voltage ulmp(kV)	1000V	1000V	1500V	1500V
Icu/Ics(kA)	40/25	20/15	15/15	15/15
Mechanical life	10000	10000	10000	10000
Electrical life	7000	7000	4000	4000
Total breaking time (ms)	2000	2000	1000	1000

DC Fuses



Model	MDPV-30A	MDPV-30B	MDPV-32A	MDPV-32B
Rated current In(A)	10-30A	10-30A	15-45A	15-45A
Rated operating voltage Ue(V)	1000V DC	1000V DC	1500V DC	1500V DC
Rated insulation voltage Ui(V)	1500V DC	1500V DC	1800V DC	1800V DC
Rated short-circuit breaking capacity	25kA	25kA	25kA	25kA
Number of poles	1P	1P	1P	1P
Installation method	TH-35 rail mounting	TH-35 rail mounting	TH-35 rail mounting	TH-35 rail mounting

DC Surge Protector

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Model	MDSP-600	MDSP-1000	MDSP-1500
Rated voltage Un	600V DC	1000V DC	1500V DC
Maximum discharge current (Imax)		20kA, 40kA	
Protection level (In)Up	≤ 3.0kV	≤ 3.2kV	≤ 3.5kV
Operating temperature		-40°C+85°C	
Relative humidity		≤95% (25°C)	
Installation method		35mm standard rail	
Window indication		Normal time: green; when invalid: red	
Protection level		IP20	
Number of poles		1P, 2P, 3P	
Leakage 0.75ulmA (uA)		≤20	

DC Miniature Circuit Breaker



Main parameters and technical performance			
Shell frame constant current Imm (A)	63	63	63
Number of poles (P)	2	3	4
Rated voltage (V)	600	750	1000
Rated current In (A)	1-63	1-63	1-63
Breaking current Icu (A)	3000	4000	6000
Time constant T (ms)	10	10	10
Instantaneous release type	B, C	B, C	B, C