

MG-PV1/1

DC COMBINER BOX

High reliability

With DC FUSE

With DC Surge Protection Device

With DC circuit breaker or DC load isolation switch.

Strong adaptability

IP65 design, waterproof, anti dust and anti ultraviolet.

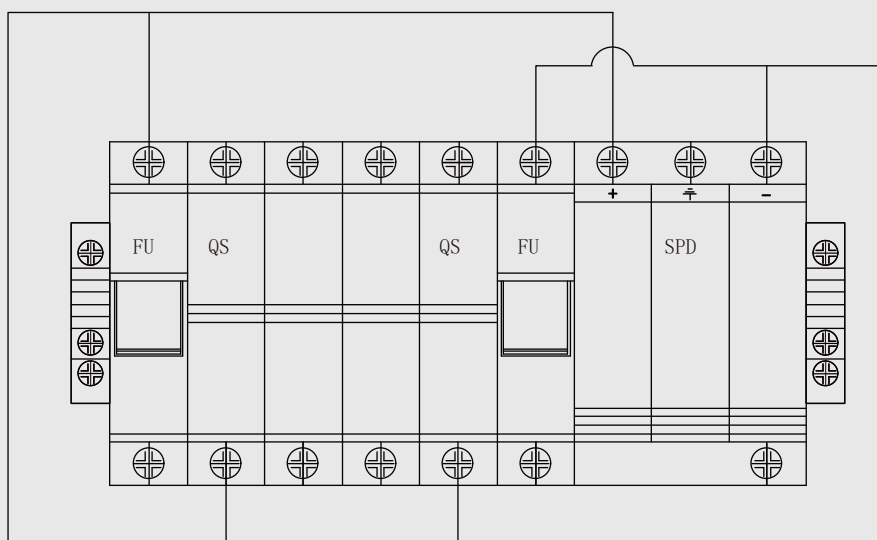
Strict test for high and low temperature, used widely.

The simple installation, the simplified system wiring, the convenient wiring.

The box body is made of ABS and transparent door made of PC.

Flexible configuration

Used for single crystal silicon solar modules, polycrystalline silicon solar modules, thin film solar modules. Current rating of the photovoltaic fuse,circuit breaker.Load isolation switch is modified.



■ Description

MG-PV1/1 combiner box is suitable for inverter (MAX input voltage DC500V/DC1000V, 1 PV input channel, 1 output channel, single inverter), Box body is made of PVC engineering materials, with test for fire retardant, temperature rise, anti impact, anti ultraviolet, and other testing. IP65 protection grade.

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Technical parameters

Name	MG-PV1/1	
Electric parameter		
System maximum DC voltage	500	1000
Maximum input current for each string	15A	
Maximum input strings	1	
Maximum output switch current	16A/20A	
Number of inverter	1	
Number of Output strings	1	
Lightning protection		
Category of test	II grade protection	
Nominal discharge current	20KA	
Maximum discharge current	40KA	
Voltage protection level Up	2.8KV	3.8KV
Maximum continuous operating voltage Uc	630V	1050V
Poles	2P	3P
Structure characteristic	Plug-push module	
System		
Protection grade	IP65	
Output switch	DC isolation switch(standard)/DC circuit breaker(optional)	
SMC4 Waterproof Connectors	Standard	
PV DC fuse	Standard	
PV surge protector	Standard	
Monitoring module	Optional	
Preventing diode	Optional	
Box material	PVC	
Installation method	Wall mounting type	
Operating temperature	-25℃~+55℃	
Elevation of temperature	2000M	
Permissible relative humidity	0-95%, no condensation	

Schematic diagram

