

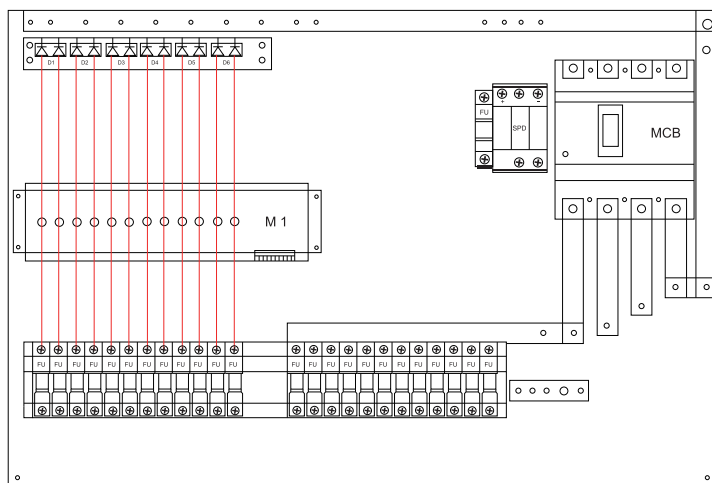


## Product Description

Multifit PV Array Combiner Box is a standardized product developed to use with solar power system to provide a turnkey solution for PV power plants. Based on the DC input voltage range of the inverter, a quantity of the same PV strings can be connected to form a PV array.

Then different PV arrays can input into the PV array combiner box, which including lightning protection devices and circuit breakers, to output a DC current for the inverter connection.

## PV Array Combiner - DC



12 strings combiner box schematic diagram

## Product Features

### Flexible configuration

Also we Can be customized according to your needs

### Applicable to

- monocrystalline silicon
- polycrystalline silicon
- thin film photovoltaic modules
- can modify the current level of photovoltaic fuses
- circuit breakers
- rotary isolating switches

### High Reliability Strong Adaptability

- Use PV-specific fuses
- Use PV-specific surge protectors
- Use PV-specific DC breaker or rotary isolation switch.
- IP65 protection, waterproof, dustproof and UV resistant
- Strict high and low temperature test, suitable for a wide area
- The installation is simple, the system wiring is simplified, and the wiring is convenient.
- The box is made of metal materials such as cold rolled steel plate.

## Technical Parameters

Model	MUL-1002	MUL-1004	MUL-1006	MUL-1008	MUL-1010	MUL-1012	MUL-1016
<b>Electrical parameters</b>							
System maximum DC voltage	500V/1000V						
Maximum number of input channels	2	4	6	8	10	12	16
Maximum input current per channel	10A/15A						
Maximum output switching current	20A/32A	50A/63A	63A/100A	80A/125A	100A/140A	120A/160A	160A/200A
Number of output channels	1						
<b>Lightning protection</b>							
Discharge Current	20~40kA						
Voltage protection level	3.8kA						
Maximum continuous operating voltage	1050V						
<b>system</b>							
Protection level	IP65						
Output switch	DC circuit breaker (standard) / DC rotary isolating switch (optional)						
Photovoltaic DC fuse	Standard						
Photovoltaic DC surge protector	Standard						
MC4 waterproof connector	Optional						
Monitoring module	Optional						
Anti-reverse diode	Optional						
Box material	Metal / Plastics						
Operating temperature	-25°C~ +55°C						
Allow relative humidity	0~95%, 0~95%, No condensation						
Installation method	Wall-mounted						

## Monitoring system

- This software is for measuring below date
- PV generator string current
- PV generator string voltage
- Total PV generator energy produced the temperature
- The history data of the PV plant.

