

PV COMBINER BOX

2/3/4/5/6/8/10/12/14/16 PV Array Combiner Box



Features:

- Flexible design, 2-16 inputs optional
- Wide range of DC input voltage, maximum input voltage up to 1500VDC
- Specific PV fuse, both positive and negative terminal
- Lightning protection
- String monitoring function optional
- RS485 communication optional
- IP65 environment compatibility for outdoor application

PV Combiner Box (2/3/4/5/6 Inputs)

Model	PCB2	PCB3	PCB4	PCB5	PCB6
DC Input					
Max. Input Voltage	500/1000VDC				
Max. String Current	10A				
Number of Input String	2	3	4	5	6
Input Fuse	15A				
Input Cable Terminal	4mm ² -6mm ²				
DC Output					
Number of Output	1				
Max. Output Current	20A	30A	40A	50A	60A
Output Breaker	25A	40A	50A	63A	100A
Output Cable Terminal	6-10mm2	10-16mm2	16-25mm2	16-25mm2	25-35mm2
General Information					
Enclosure Material	Galvanized steel				
Degree of Protection	IP65				
Operating Temperature	-25°C~+55°C				
Humidity	0-99%				
Altitude	2000m without derating				
Lightning Protection	Type II				
Cooling	Natural convection				
Mounting	Wall-mount				
Self Consumption	<14W				
Communication(O)	RS485				
Dimension	155 x 400 x 300mm				
Weight	8kg	8kg	8kg	9kg	9kg



PV Combiner Box (8/10/12/14/16 Inputs)

Model	PCB8	PCB10	PCB12	PCB14	PCB16
DC Input					
Max. Input Voltage	1000/1500VDC				
Max. String Current	10A				
Number of Input String	8	10	12	14	16
Input Fuse	15A				
Input Cable Terminal	4mm²-6mm²				
DC Output					
Number of Output	1				
Max. Output Current	80A	100A	120A	140A	160A
Output Breaker	100A	125A	160A	180A	200A
Output Cable Terminal	35-50mm2	35-50mm2	50mm2	50mm2	50mm2
General Information					
Enclosure Material	Galvanized steel				
Degree of Protection	IP65				
Operating Temperature	-25°C~+55°C				
Humidity	0-99%				
Altitude	2000m without derating				
Lightning Protection	Type II				
Cooling	Natural convection				
Mounting	Wall-mount				
Self Consumption	<14W				
Communication(O)	RS485				
Dimension	230 x 670 x 520mm				
Weight	19kg	19kg	20kg	20kg	20kg

