

# PV-CB8M-P

The PV combiner box is an accessory for multiple PV strings connections, and it is with a smart controller inbuilt for monitoring, along with comprehensive protections including the fuse and SPD.

## Features



Lightning protection



IP65 environment compatibility



RS485 communication interface



Monitoring function



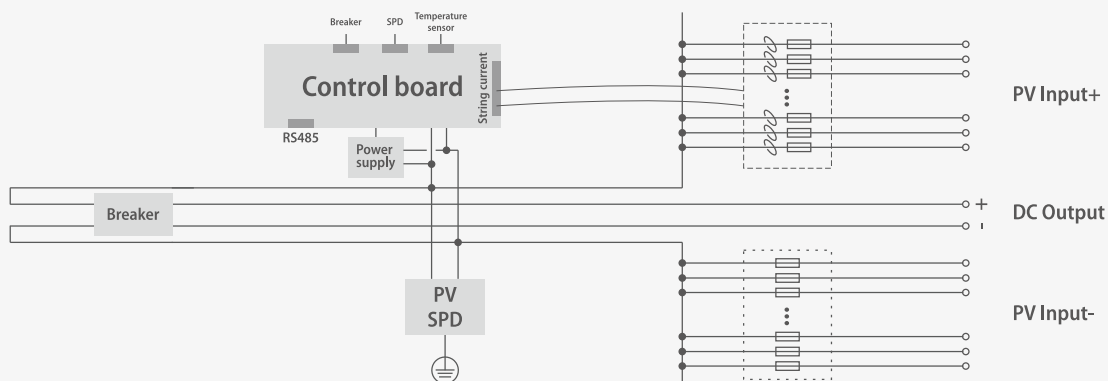
Flexible design with 8 or 16 optional inputs



Input fuse for over current protection



## Block Diagram



**PV-CB8M-P****Input DC**

Max. input voltage	1000V
Max. string Isc	20A
Number of input string	8
Input fuse	1 on negative and positive pole of each string, 30A, 10*38mm
Input cable gland	4mm-8mm cable diameter
Input cable terminal	4mm <sup>2</sup> -6mm <sup>2</sup>

**Output DC**

Number of output	1
Max. output current	160A
Output breaker	200A
Output cable terminal	70mm <sup>2</sup>
Output cable gland	13mm-18mm cable diameter

**General Information**

Dimension (W/H/D)	600/500/172mm
Weight	22.5kg
Enclosure material	Galvanized steel
Protection degree	IP65
Operating temperature	-25°C~55°C
Humidity	0~99%
Altitude	2000m without derating
Lightning protection	Type II
Cooling method	Natural convection
Mounting	Wall-mount
Monitoring	String current, bus voltage, breaker status, surge arrester status, internal temperature
Power supply	DC300V~1000V
Power consumption	14W
Communication	RS485