

Datasheet









PV-CB8M
PV-CB16M

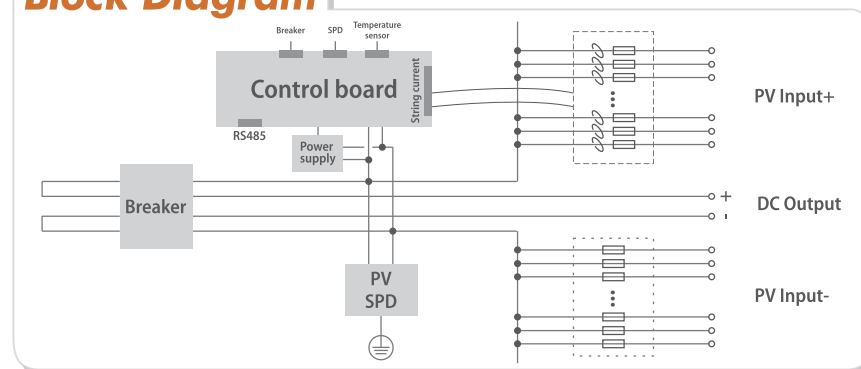
Overview

PV combiner box is an accessory for multiple PV strings connection, it is with smart controller inbuilt for monitoring, along with comprehensive protections including fuse and SPD

Features

-  **Lightning protection**
-  **Optional string monitoring function**
-  **IP65 environment compatibility**
-  **Flexible design, 8, 16 inputs optional**
-  **RS485 communication interface**
-  **Input fuse for over current protection**

Block Diagram



	PV-CB8M	PV-CB16M
Input DC		
Max. input voltage	1000V	1000V
Max. string Isc	15A	15A
Number of input string	8	16
Input fuse	1 on negative and positive pole of each string, 25A, 10*38mm	
Input cable gland	4mm-8mm cable diameter	4mm-8mm cable diameter
Input cable terminal	4mm ² -6mm ²	4mm ² -6mm ²
Output DC		
Number of output	1	1
Max. output current	120A	240A
Output breaker	200A	250A
Output cable terminal	50mm ²	95mm ²
Output cable gland	13mm-18mm cable diameter	16mm-21mm cable diameter
General Information		
Dimension (W/H/D)	700/640/192mm	700/640/192mm
Weight	25kg	25kg
Enclosure material	Galvanized steel	Galvanized steel
Protection degree	IP65	IP65
Operating temperature	-25°C~55°C	-25°C~55°C
Humidity	0~99%	0~99%
Altitude	2000m without derating	2000m without derating
Lightning protection	Type II	Type II
Cooling	Natural convection	Natural convection
Mounting	Wall-mount	Wall-mount
Monitoring	String current, string voltage, breaker status, surge arrestor status, internal temperature	
Power supply	DC300V~1000V	DC300V~1000V
Power consumption	14W	14W
Communication	RS485	RS485