

ATESS PV-CB8M/PV-CB16M



LEADING - EDGE TECHNOLOGY

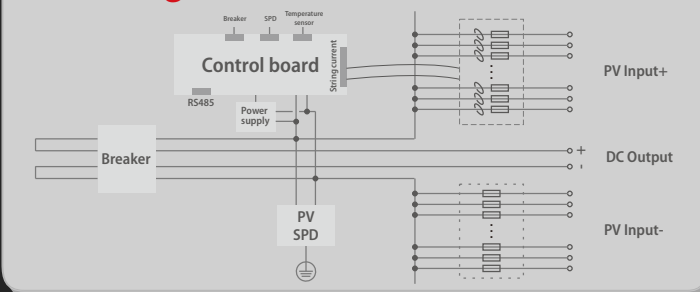
Overview

ATESS PV combiner box is an accessory for multiple PV string 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



Shenzhen Ateess Power Technology Co.,Ltd

1st Floor of Building 3 at Sector B and 3rd Floor of Building 9,Henglong Industrial Park, No.4 Industrial Zone, Shuitian Community, Shiyan Street, Baoan District, Shenzhen

Datasheet

ATESS PV-CB8M

ATESS 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
Degree of protection	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