

CPS CB08-O



High Reliability

- PV specialized HV lightning surge protector is selected
- PV specialized DC circuit breaker is selected
- PV specialized DC fuse protector is selected
- Reverse charging-proof diode is selected to prevent reverse polarity connection

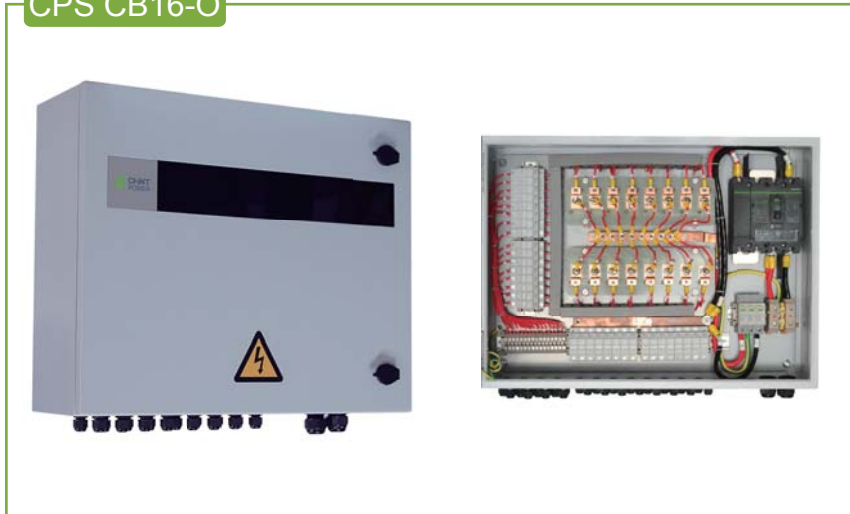
Broad Adaptability

- IP65 protection level (water-proof, dust-proof, rust-proof and sun-proof)
- Strict high/low temperature test, suitable for a wide range of regions
- Optimized system routing and simple installation

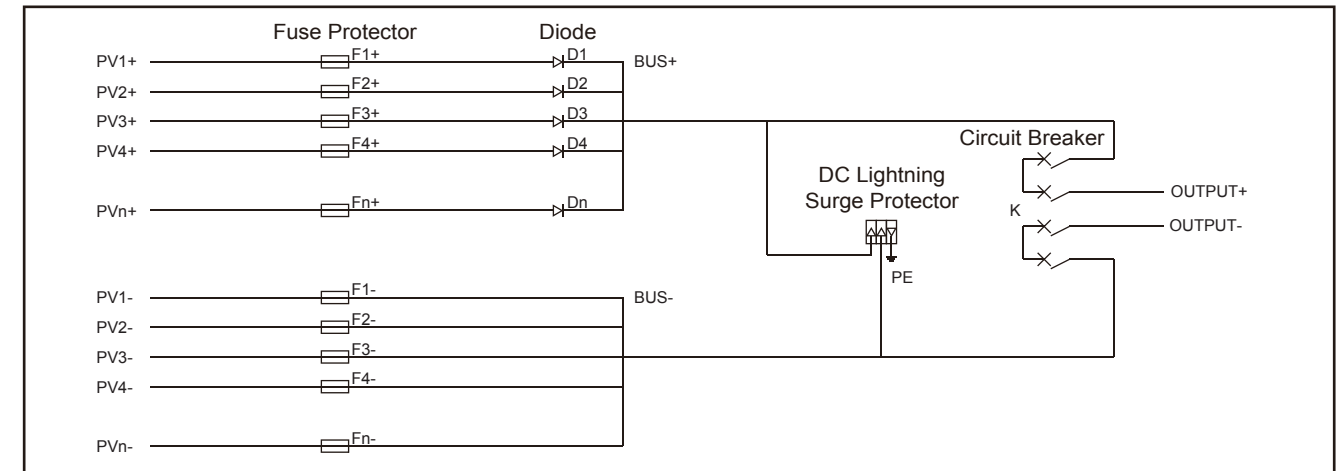
Flexible Configuration

- 8 and 16 strings of DC input are 2 standard configuration and customization is available
- Applicable for single crystal silicon and film PV modules; Modification of DC fuse protector is available
- High DC input voltage reaches up to 1000Vdc

CPS CB16-O



Schematic Diagram



Technical Data

	CPS CB08-O	CPS CB16-O
Electric Data		
Max. DC Voltage	1000Vdc	
Max. Input Current	8 × 10A	16 × 10A
Max. Input Strings [※]	8	16
Input Current for Fuse Protector [#]	8 × 12A	16 × 12A
Max. Output Current	80A	160A
Surge Protection		
Experimental Level	II	
In (8/20μs)	20kA	
I _{max} (8/20μs)	40kA	
U _p	3.8kV	
Max. Operation Voltage	1000V	
Number of Poles	3P	
Design Features	Plug type modules for convenient replacement without power cut; Indication window for working status display; Remote telesignalisation is optional	
System		
Protection Degree	IP65	
Installation Method	Wall mounting	
Operating Temperature	-25°C - +55°C	
Altitude	4000m	
Humidity	0-95%, non-condensing	
Mechanical Data		
W×H×D (mm)	550 × 450 × 180	680 × 500 × 180
Weight (kg)	21	29

※ Generally, 4, 6, 8, 10, 12 and 16 strings of DC input are available to meet the need of customers.

5A input current of fuse protector is available according to customers' need.

PV Combiner Box CB08-O/CB16-O

For medium and large PV systems, DC combination equipment is essential and can be used to simplify the cable connection between PV panels and inverters in order to raise the reliability of the PV system and make the maintenance of system more convenient. CPS PV combiner box provides customers with a safe, concise and also economic PV system product in standard industrial design according to the CGC/GF002:2010 national regulations of *PV combiner box's technical specifications*.

Users may put the PV panels with the same type together in series as PV arrays within the allowable DC voltage range for the inverter and then connect several arrays to the combiner box for DC convergence. Before inputting DC to the inverter, the surge protector and breaker in the combiner box ensures the safety of PV system.

