PV Combiner Box



Model No.	HG-CB10	HG-CB12	HG-CB18	HG-CB20	HG-CB24
Input string	10	12	18	20	24
Max. Input (DC)	1000/1500V	1000/1500V	1000/1500V	1000/1500V	1000/1500V
Max. input current	120A/200A	250A/400A	400A	400A	400A
Detecting unit	Detect each current, total voltage, total power, switch status, lightning arrester status, temperature inside the box, etc.				
Communication	RS485				
Box material	Cold-rolled steel plate				
Lightning protection	With communication lightning protection				
Communication protocol	Standard BODBUS-RTU protocol				
Humidity / temperature	Operation temperature-35℃ ~ +70℃				
Anti-reverse	Configure modular anti-reverse diode (optional)				
Auxiliary power	With its own auxiliary power supply, it takes power from the photovoltaic bus side to supply the detection unit				

In the solar system, PV Combiner Box can reduces the connection wires between solar panels and inverters, improves reliability and facilitates system maintenance through the protection of photovoltaic special fuses, circuit breakers and lightning arrester.
Users can connect a certain number of photovoltaic panels of the same specifications in series to form a PV panel string according to the DC voltage range of the inverter input, and then connect several strings to the photovoltaic array lightning protection combiner box.