

Solartech PE-H Series Solar Combiner Boxes

Product Introduction:

For high power solar pumping systems, a DC combining device shall be installed between solar array and solar pumping inverter to reduce the connection cables so as to improve system stability and simplify the maintenance. The solar modules shall be connected in series to the solar combiner box with lightning protection first, then connect the output of the box to solar pumping inverter. To meet this demand, Solartech independently developed PE Series Solar Combiner Boxes, which can be matched with Solartech solar pumping inverters to form a complete solar pumping system.



Product Features:

- Solar combiner function, which supports multiple DC input strings, and optional diodes to implement anti-reverse protection
- Applying special lightning protection modules for solar use, less threat of lightning attack
- Applying special fuses for solar use on both positive and negative ends of each string, 1kV DC withstand voltage, high system safety
- Applying solar DC circuit breakers to improve DC withstand voltage and system reliability
- IP65 protection grade, which meets the requirements of indoor and outdoor installation
- Ambient temperature: -25~55

PE-H Series Solar Combiner Box Specifications:

Model	Max. Input Strings	Max. Input Current Per String	Input Cable Size	Max. Output Current	Max. Output Current Per String	Output Cable Size	Grounding Cable Size	Cooling	Enclosure Class	Dimension	Net Weight
PE - H4/2	4	10A	≧2.5mm ²	2	15A	≧2.5mm ²	≧2.5mm ²	Natural cooling	IP65	610×410×160mm	17kg
PE - H6/4	6	10A	≧2.5mm ²	4	15A	≧2.5mm ²	≧2.5mm ²	Natural cooling	IP65	610×410×160mm	17kg
PE - H8	8	10A	≧2.5mm ²	1	80A	≧6mm ²	≧2.5mm ²	Natural cooling	IP65	610×410×160mm	18kg
PE - H12	12	10A	≧2.5mm ²	1	125A	≧16mm ²	≧6mm ²	Natural cooling	IP65	600×550×180mm	25kg
PE - H16	16	10A	≧2.5mm ²	1	160A	≧35mm ²	≧6mm ²	Natural cooling	IP65	600×550×180mm	26kg
PE - H24	24	10A	≧2.5mm ²	1	250A	≧35mm ²	≧6mm ²	Natural cooling	IP65	840×650×220mm	41kg