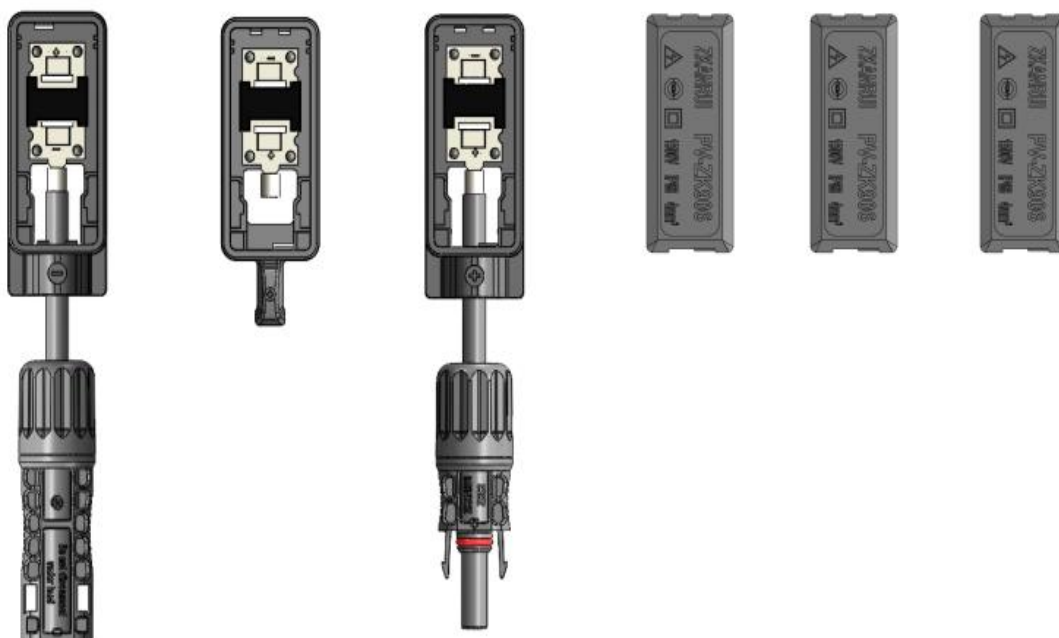


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PV JUNCTION BOX

PV-ZK906

The appearance of the product graph



Product overview

PV-ZK906 three-split junction box with fully potted design concept uses high-end integrated chips. The electrical connection performance is stable and reliable.

This product has six groups of busbar output ports, using welding method, suitable for high efficiency mono and poly-silicon solar modules.

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Main technical specifications

Project	Performance index	
Rated Current	20/25/30/35	A
Rated Voltage	1500	V DC
Cable size range	4	mm ²
Temperature range	-40~ +85	°C
Width of Copper Ribbons	Up to 8	mm
Protection level	IP68	
Safety Class	Class II	
Flame Resistance	V-0	
Waterproof Structure	Potting sealant	
Amount of glue	Appr.20ml	
Connection Method	Soldering	
Insulation Material	PPE+PS, PA	
Contact Material	Copper tin plating	
Optional Connector	PV-KST4-EVO2/II, QC4.10, PV-KBT4-EVO2/II, PV-ZKC2, PV-ZKC4	

Installation Instructions

Please follow the following instructions and select the tools specified in these instructions, otherwise the technical specifications may not meet the requirements of the standard. In addition, these instructions can help avoid potential hazards that may lead to personal injury and product damage.

- 1、 The busbar of the component and the junction box wiring port should correspond one by one, and the electrical connection must be valid.
- 2、 Use sealant and potting glue according to the specified type. Junction box bonding must be arranged in the correct position in order to have reliable sealing performance. Potting glue surface must be higher than the diode and metal parts to prevent the junction box leakage, which may affect the performance.
- 3、 The components and junction box shall not be moved before the sealant and potting glue are completely cured.

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- 4、 The welding between busbar and the junction box metal bracket shall not have leak welding, false welding and welding deviation. The busbar and junction box must be welded by skilled personnel. Too long welding time will damage the diode.
- 5、 Take electrostatic protection measures when touching or welding junction boxes.
- 6、 Identify the polarity of the electrical connection between the junction box and the component. The wrong connection will cause damage to the component or the junction box, which may cause fire.
- 7、 As the diode may be damaged by overheating or electrostatic shock during the production, the manufacturer should carefully test the diode before the products are shipped.
- 8、 The product must be installed and maintained by professional personnel.
- 9、 To prevent electric shock, please do not touch the electrically charged body during installation.
- 10、 Do not insert or remove the connector when it is under load.
- 11、 The junction box should not be in contact with corrosive materials during assembly and use.