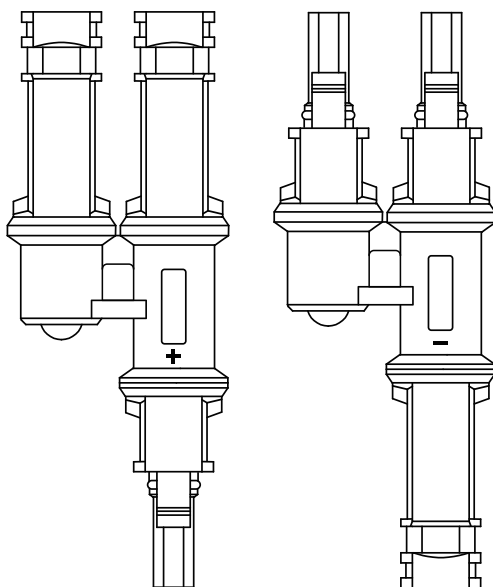


UV Resistance Photovoltaic Branch Connectors



USER MANUAL

UV Resistance Photovoltaic Branch Connectors

Thank you for purchasing the branch photovoltaic connectors. Before using the product, please carefully read this manual. Once you use this product, it will be deemed that you fully acknowledge and accept all the contents of this manual. Please strictly follow the instructions in this manual when using this product and pay close attention to the precautions.

we are not responsible for any direct or indirect losses or injuries caused by improper use of branch photovoltaic connectors, including but not limited to short-circuiting the product, overheating, inserting foreign objects, disassembly, throwing, heavy pressure, and pulling, etc.

Product Use Precautions

1. Please confirm in advance whether the parameters of branch photovoltaic connectors match the specifications of your power system and load. Failure to meet these specifications may result in damage to the products.
2. Please don't exceed the recommended current to prevent overheating.
3. Prevent any liquids such as water or oil from entering the interfaces of the branch photovoltaic connectors.
4. Always use branch photovoltaic connectors within the appropriate environmental temperature range (-40°F ~ 185°F).
5. Keep branch photovoltaic connectors away from heat sources, flammable gases, corrosive substances, and other hazardous materials.
6. Avoid dropping, placing heavy objects on, or subjecting this unit to strong impacts.
7. In the event of a fire, use a dry powder fire extinguisher for proper firefighting.
8. During charging, keep away the branch photovoltaic connectors from combustible materials.
9. Do not pull the branch photovoltaic connectors hard to avoid breaking or electric shock.

Highlights

The photovoltaic branch connectors use high-quality UV-resistant insulating materials, making them suitable for extremely harsh weather and environmental conditions. They feature waterproof, UV-resistant, high-temperature resistant, corrosion-resistant, and high insulation properties, with a protection rating of IP68. This product offers low contact resistance and higher current transfer capacity, ensuring reliable operation under high current over the long term. It is suitable for a wide temperature range from -40° F ~ 185° F, meeting the requirements of photovoltaic applications.

/// Specifications

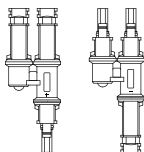
Housing Material	PC/PA
Terminal Material	Tin Plated Cooper Alloy
Sealing Material	Silicone
Rated Voltage	1500V
Input Current of Each Connector	≤25 A
Output Current	Max. 50A
Rated Impulse Voltage	16KV
Operating Temperature	-40°F ~ 185°F
Contact Resistance	≤0.25mΩ
Wet Insulation Resistance	≥500MΩ
Water Proof Degree	IP 68
Certification	IEC 62852, UL 6703
Pollution Degree	Class II
Protection Degree	Class II
Fire Resistance	UL94-V0



When using branch photovoltaic connectors, strictly adhere to the safe operating voltage and current limits. Exceeding these limits may pose a risk of electric shock.

/// Packing List

❶ Photovoltaic Branch Connectors × 1 Pair



❷ User Manual × 1



/// Warranty Policy

We provide a 1-year warranty service for this product. Within 1 year from the date of purchase, if the product experiences faults under normal usage, please apply for warranty with the purchase receipt.

The following situations are not covered by the warranty:

1. Cosmetic flaws caused during use.
2. Product malfunctions resulting from self-disassembly, repairs, or human-induced causes.
3. Damages caused by uncontrollable factors such as natural disasters, thunderstorms, accidents, and the like.

Warranty Application Process:

1. Please contact our customer service team, providing the purchase receipt and a detailed description of the issue.
2. Our customer service team will assist you in submitting the necessary information and documents.
3. After confirmation, we will provide you with an appropriate warranty solution.