

SOLARLOK PV BAR JUNCTION BOX 1500V

The SOLARLOK PV Bar junction box 1500V is a potting junction box designed with improved robustness, reliability and increased power output. The contact rails are precisely shaped in 3D and extended inside the junction box to optimize thermal balance. Using nearly 100% pure copper with lowest contact resistance possible brings longer and higher power output. The diode used is tuned and strengthened to prevent failure in the field to ensure power continuity. All the connections inside the PV Bar are welded to maximize usage and reliability. PV Bar complies with the highest standard today and is certified for 1500V TUV/IEC and 1500V UL.



Applications

- Bifacial cell panels & crystalline panels

Electrical

- **Rated Current:** 15A
- **Withstanding Voltage:** 1000V DC / 1500V DC (UL)
1000V DC / 1500V DC (TUV)
- **Protection Class:** II

Mechanical

- **Number of Contact Rails:** 4
- **Temperature Range:** -40C to +85C
- **Wire Size Range:** up to 12 AWG; 4.0 mm²
- **Protection Degree:** IP68 closed, potted
(1m / 24 hours)

Specifications

- **Product Specification:** [108-137167](#)
- **Application Specification:** [114-137167](#)

Materials

- **Contact Base Material:** Copper Alloy
- **Contact Finish:** Tin
- **Cover and Base Housing:** PPE

Standards

- 1000V / 1500V UL approved per UL3730
- 1000V / 1500V TUV approved per EN62790

Benefits

- Harvest extra power with advanced thermal balanced junction box
- Achieve long and high power output with contacts made of nearly 100% pure copper
- Maximize power continuity with tuned and strengthened diodes

PV4-S connectors:

- Provides waterproof protection and is rated IP68 (1 m / 24 hours)
- Minimizes power loss by providing low contact resistance

Product Selection Information

SOLARLOK PV Bar 1500V

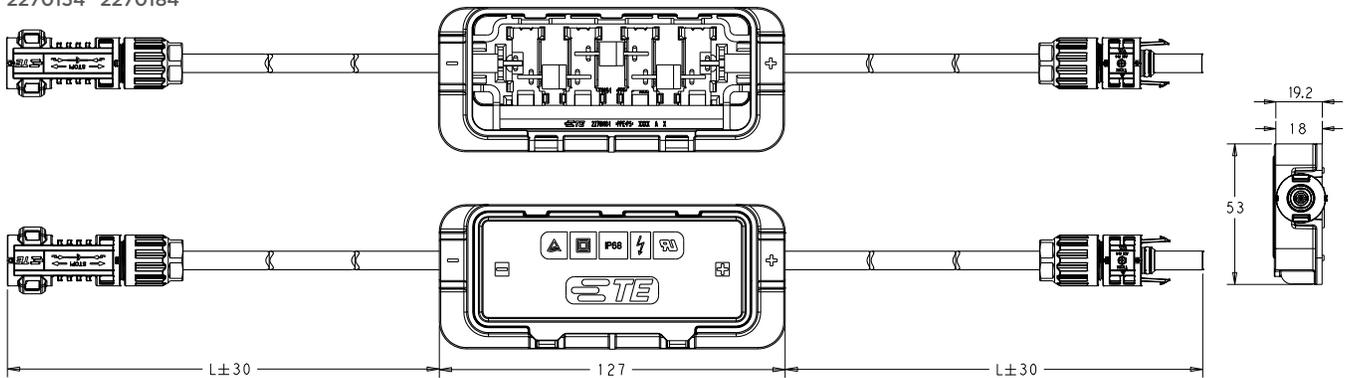
Type	Part Number	Description	Voltage Rating (TUV and UL)	Cable Length (Meters)
STANDARD	2270154-1	PV BAR 4-RAIL JUNCTION BOX	1500V	0.9
PREFERRED CHOICE	2270154-2	PV BAR 4-RAIL JUNCTION BOX	1500V	1
STANDARD	2270154-3	PV BAR 4-RAIL JUNCTION BOX	1500V	1.2

SOLARLOK PV Bar 1000V

Type	Part Number	Description	Voltage Rating (TUV and UL)	Cable Length (Meters)
STANDARD	2270184-1	PV BAR 4-RAIL JUNCTION BOX	1000V	0.9
PREFERRED CHOICE	2270184-2	PV BAR 4-RAIL JUNCTION BOX	1000V	1
STANDARD	2270184-3	PV BAR 4-RAIL JUNCTION BOX	1000V	1.2

Dimensions

2270154 2270184



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