SOLERA

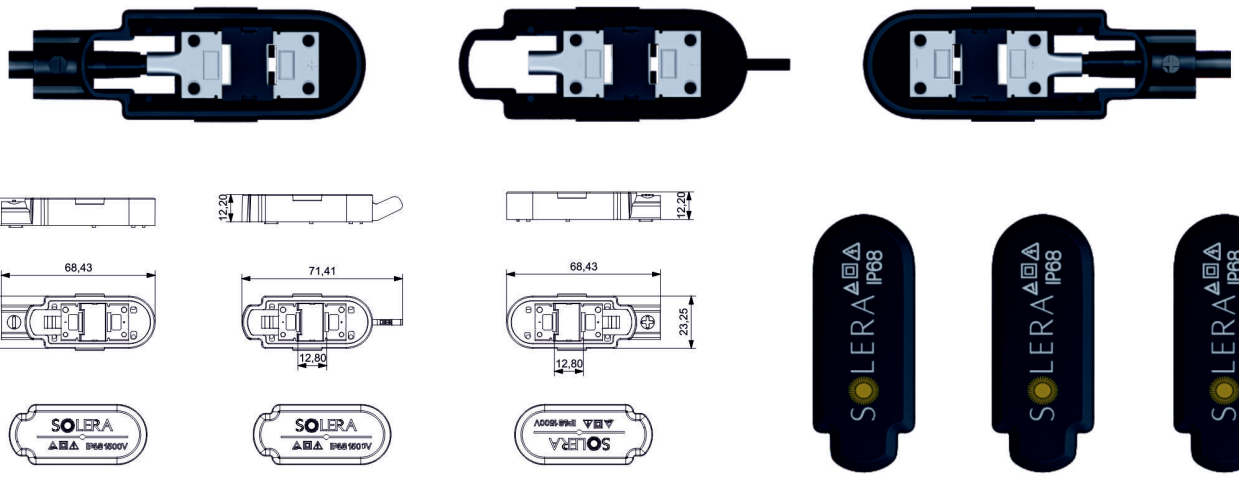
REDEFINE ENERGY

# SOLERA JUNCTION BOX

## Available in 25A, 30A, 35A



# TRIO SPLIT JUNCTION BOX




## TUV-RENHILAND

## Basic Technical Data

| MODEL NO: | SE/JB/06 | SE/JB/07 | SE/JB/08 |
|---|---|---|---|
| Certificate No. | R506199640001 | R506199640001 | R506199640002 |
| JB Rating | 25 A | 30 A | 35 A |
| Diode Rating | 40MT045 | 50MT045 | 60MT045 |
| Rated Voltage | 1500VDC | 1500VDC | 1500VDC |
| Ambient Temperature Range | -40°C~+85°C | -40°C~+85°C | -40°C~+85°C |
| Safety Class | Class II | Class II | Class I |
| Protection Degree | IP68 | IP68 | IP68 |
| Wire Size Range | 4mm² | 4mm² | 4mm² |
| Flame Resistance | V-0 | V-0 | V-0 |
| Waterproof Structure | Potting Sealant | Potting Sealant | Potting Sealant |
| Volume of Potting Glue | Approx- 5.5x3=16.5ml | Approx- 5.5x3=16.5ml | Approx- 5.5x3=16.50ml |
| Width of Ribbons | Up to 8mm | Up to 8mm | Up to 8mm |
| Centerline Spacing Between Terminals | 13mm | 13mm | 13mm |
| Connection Method | Soldering | Soldering/ Laser Welding | Soldering/ Laser |
| Insulation Material | PPO | PPO | PPO |
| Contact Material | Tin Plated Copper | Tin Plated Copper | Tin Plated Copper |
| Overall Size | (68.43x23.25x12.20)mm | (68.43x23.25x12.20)mm | (68.43x23.25x12.20)mm |
| | | | |

# Mc4 Connector

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## PV-H4 Solar Connector





IEC 1500V
UL 1500V

UL: 6703
IEC: 62852

-40℃~85℃

UL94-V0

IP 68

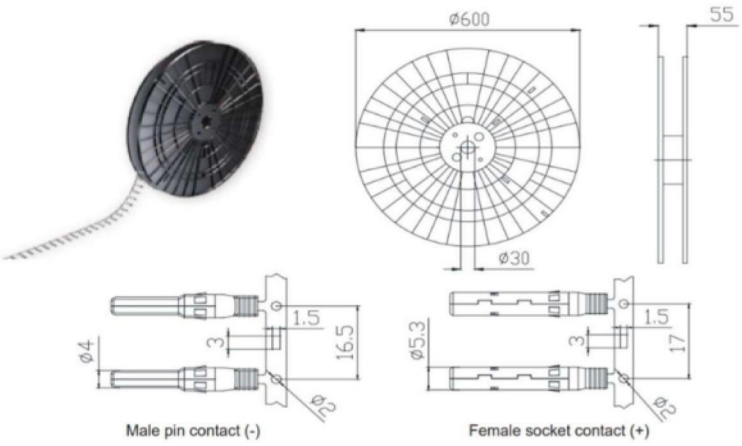
UV Resistance

## Product Overview

PV-H4 solar connectors use high quality materials that guarantee long-term reliability. Lower contact resistance and higher current transfer capability ensure high product efficiency. PV-H4 solar connectors have IP68 water-proof rating and can be used in a wide operating temperature range from -40 °C to 85°C.

## Technical Data

| Rated Voltage | IEC 1500V\UL1500V |
|---|---|
| Certification | IEC 62852; UL 6703 |
| Rated Current | 30 A |
| Ambient temperature | -40℃up to +85℃ |
| Contact Resistance | ≤0.25mΩ |
| Pollution Degree | Class II |
| Protection Degree | Class II |
| Fire Resistance | UL94-V0 |
| Rated Voltage | 1500 VDC |
| Rated Impulse Voltage | 16KV |
| Locking System | NEC Locking Type |




### List of Critical Components

| Ref. | Object / Part No | Type | Technical Data |
|---|---|---|---|
| 1.0 | INSULATION MATERIAL OF CONNECTOR BODY | m-PPE, PV40Z(f1) | UI94 V-0/5VA; CTI=0; RTI=105℃ |
| 2.0 | INSULATION MATERIAL of screw cap | Pa66, A3XZG5(f1) | UI94 V-0/5VA; CTI=1; RTI=120℃ |
| 3.0 | Carry Current Part | T2, copper | TIN - PLATED |
| 4.0 | O Sealing Ring | Silicon Rubber | Φ7.3 X Φ1.8MM |
| 5.0 | Sealing Gasket | Silicon Rubber | Φ6.2 X 11.0MM |
| 6.0 | Cord Anchorage | PA66, FR370(i)(f1) | Φ13.8 X 8.8MM UI94 V-0/5VA; CTI=0; RTI = 105℃ |
| 7.0 | Metal Ring on Carry Current Part for Fixing | SUS301 | 〃 |

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MANUFACTURER OF SOLAR JUNCTION BOXES

**SOLERA TECHNOLOGIES PVT. LTD.**

Near Dher Ke Balaji Railway Station, Jhotwara, Jaipur-302012, Rajasthan, (INDIA)

9829287289, 6377469447

E-mail: info@solera.co.in