# Solar Cable Connector

## PV-BN101A Solar Connector



IEC 1500V
UL 1500V

UL: 6703
IEC: 62852

-40℃~90℃

UL94-V0

IP 68

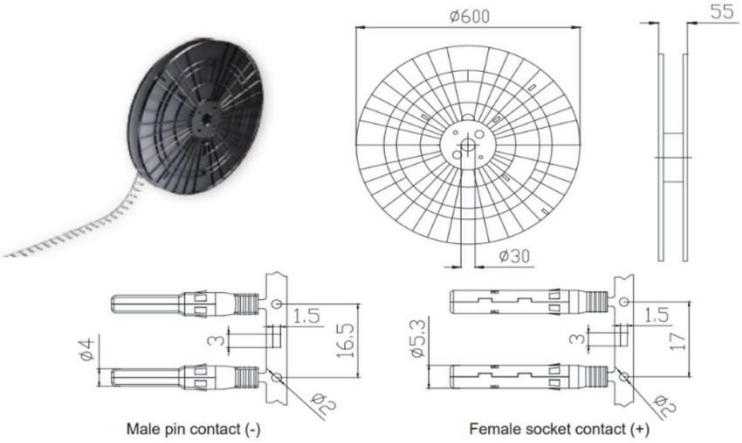
UV Resistance

## Product Overview

PV-BN101A connectors use high quality materials that guarantee long-term reliability. Lower contact resistance and higher current transfer capability ensure high product efficiency. PV-BN101A connectors have IP68 water-proof rating and can be used in a wide operating temperature range from -40 °C to 90 °C.

## Technical Data

| | |
|---|---|
| Rated Voltage | IEC 1500V\UL1500V |
| Certification | IEC 62852; UL 6703 |
| Rated Current | 35A/40A/45A/55A |
| Ambient temperature | -40℃ up to +90℃ |
| Contact Resistance | ≤0.25mΩ |
| Pollution Degree | Class II |
| Protection Degree | Class II |
| Fire Resistance | UL94-V0 |
| Rated Impulse Voltage | 16KV |
| Locking System | NEC Locking Type |

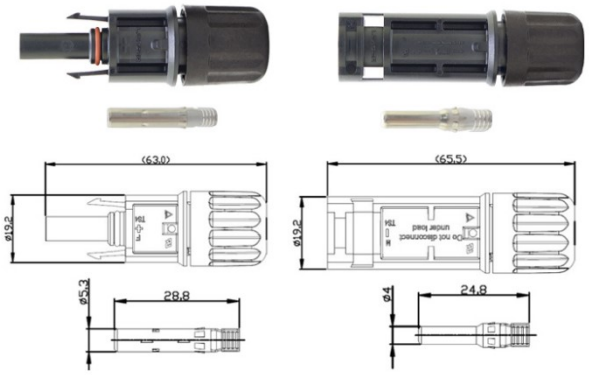


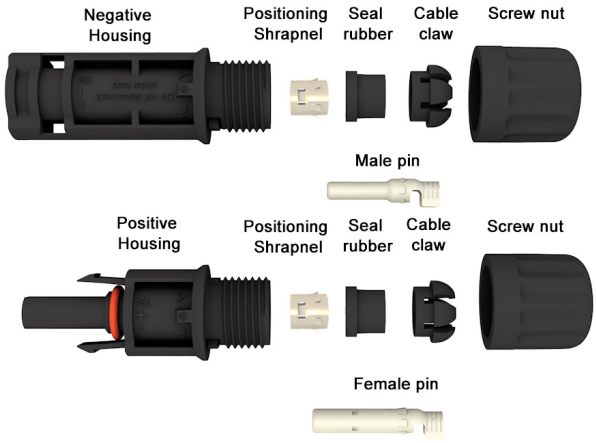

## Order Data

| Part No. | Cable OD Range/mm | Cable Cross Section | Standard Package Unit | Description |
|---|---|---|---|---|
| PV-BN101A-F1 | 4.7mm~6.0mm | 2.5mm²/4mm² 14AWG/12AWG | 500 pairs / Carton | Full Pairs |
| PV-BN101A-F1-MH | | | 500 pcs / package | F2 Male Housing |
| PV-BN101A-F1-FH | | | 500 pcs / package | F2 Female Housing |
| PV-BN101A-MT | | | 500 pcs / package or 2500 pcs / Reel | Male terminal |
| PV-BN101A-FT | | | 500 pcs / package or 2500 pcs / Reel | Female terminal |
| PV-BN101A-F2 | 5.6mm~6.9mm | 4mm²/6mm² 12AWG/10AWG | 500 pairs / Carton | Full Pairs |
| PV-BN101A-F2-MH | | | 500 pcs / package | F2 Male Housing |
| PV-BN101A-F2-FH | | | 500 pcs / package | F2 Female Housing |
| PV-BN101A-MT | | | 500 pcs / package or 2500 pcs / Reel | Male terminal |
| PV-BN101A-FT | | | 500 pcs / package or 2500 pcs / Reel | Female terminal |
| PV-BN101A-F6 | 6.9mm~8.7mm | 10mm² 8AWG | 500 pairs / Carton | Full Pairs |
| PV-BN101A-F6-MH | | | 500 pcs / package | F6 Male Housing |
| PV-BN101A-F6-FH | | | 500 pcs / package | F6 Female Housing |
| PV-BN101A-MT | | | 500 pcs / package or 2500 pcs / Reel | Male terminal |
| PV-BN101A-FT | | | 500 pcs / package or 2500 pcs / Reel | Female terminal |

# Solar Cable Connector

## PV-BN101A Solar Connector






## How to Order solar cable connector (please choose one code per position, below)

| SCC- | X- | X | X | X | |
|---|---|---|---|---|---|

| SCC | Cable Cross Section | Cable OD | Terminals Package | MPQ Housing Package | Variations |
|---|---|---|---|---|---|
| Solar Cable Connector | ☐ 2.5mm²(14Awg) | ☐ **F1**: 4.7~6.0mm | ☐ **R:** Roll | ☐ 500 pairs/package | ☐ _____ |
| | ☐ 4-6mm²(12Awg-10AWG) | ☐ **F2**: 5.6~6.9mm | ☐ **P:** Bulk | ☐ 50 pairs/package | |
| | ☐ 10mm²(8Awg) | ☐ **F6:** 6.9~8.5mm | ☐ _____ | ☐ 5 pairs/package | |
| | ☐ _____ | ☐ _____ | | ☐ 1 pairs/package | |
| | | | | ☐ _____ | |
| | | | | | |

*** Customized options available, for more information, please contact LEADER GROUP sales team: info@leadergroup-cn.com**

## Example:

**SCC-6mm-F2-B-500 means the Solar cable connector will match 6mm2 cable with 5.6~6.9 OD. The terminals will be packaged with plastic housing together. 500 plastic housing will be packaged in one package.**

## Standard Package Info:




| Carton Dimension (cm) | Pack list | QTY | Gross Weight (kg) |
|---|---|---|---|
| 59cm X 39cm X 20cm | Male Housing | 500 pcs | 15kg |
| | Female Housing | 500 pcs | |
| | Male terminal | 500 pcs | |
| | Female terminal | 500 pcs | |
| Remark:**500 pairs in one carton package** | | | |