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# Solar Connector

Leading Manufacturer Protects Solar Power Safety

Rev 1.0 2022/07/09

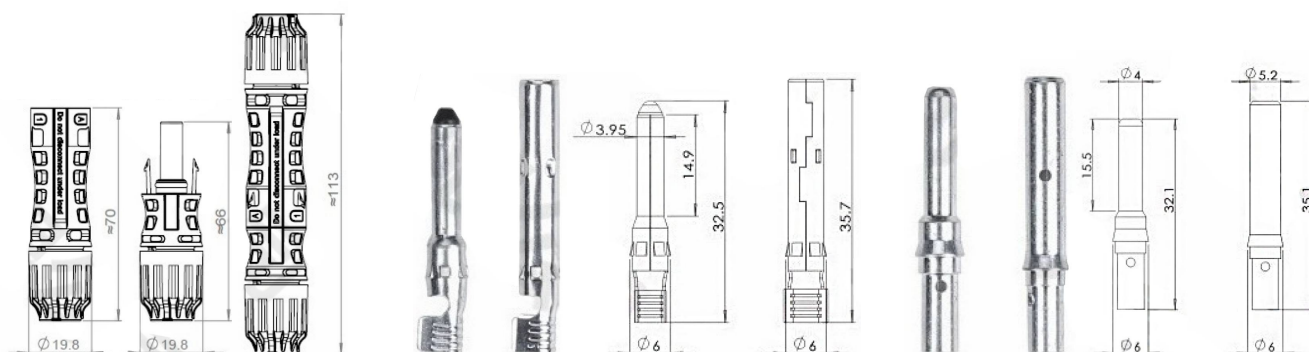


# Solar Connector

## Solar DC Connector PV-LTN4 (35A) PV-LTN4-1(50A)



### Dimensions



### Technical Data

|                                           |                                                          |
|-------------------------------------------|----------------------------------------------------------|
| Connector system                          | Φ4mm                                                     |
| Rated voltage                             | 1500V DC                                                 |
| Rated current                             | 35A<br>( 1.5mm <sup>2</sup> ~ 6 mm <sup>2</sup> )<br>50A |
| Test voltage                              | 16kV                                                     |
| Ambient temperature range                 | -40°C~+85°C                                              |
| Degree of protection.mated                | IP68                                                     |
| unmated                                   | IP2X                                                     |
| Contact resistanceof plug connectors      | ≤0. 5mΩ                                                  |
| Safetyclass                               | II                                                       |
| Contact material                          | Messing,verzinnt Copper Alloy,tin plated                 |
| Insulation material                       | PC/PPE                                                   |
| Locking system                            | Snap-in                                                  |
| Flame class                               | UL-94-V0                                                 |
| Salt mist spray test,degree of severity 5 | IEC 62852                                                |

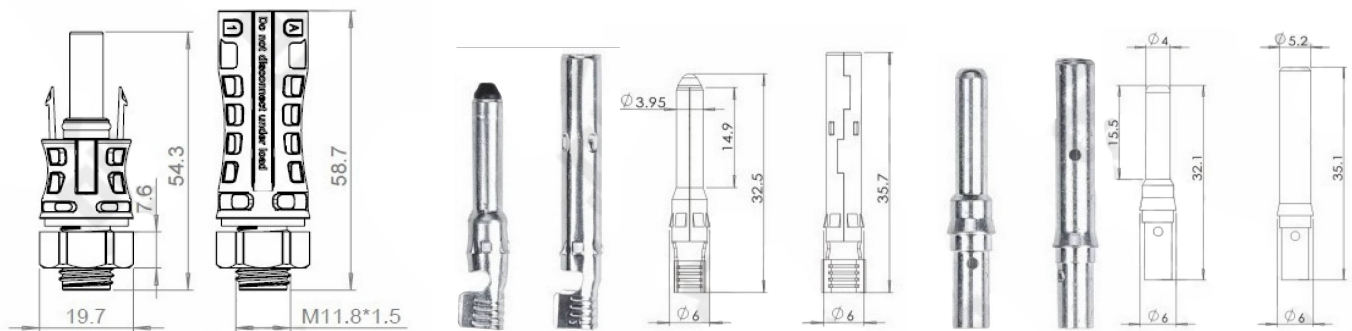
## Solar DC Connector

### PV-LTN01(35A)

### PV-LTN01-1(50A)



## Dimensions



## Technical Data

|                                           |                                                          |
|-------------------------------------------|----------------------------------------------------------|
| Connector system                          | Φ4mm                                                     |
| Rated voltage                             | 1500V DC                                                 |
| Rated current                             | 35A<br>( 1.5mm <sup>2</sup> ~ 6 mm <sup>2</sup> )<br>50A |
| Test voltage                              | 16kV                                                     |
| Ambient temperature range                 | -40°C~+85°C                                              |
| Degree of protection.mated                | IP68                                                     |
| unmated                                   | IP2X                                                     |
| Contact resistanceof plug connectors      | ≤0. 5mΩ                                                  |
| Safetyclass                               | II                                                       |
| Contact material                          | Messing,verzinnt Copper Alloy,tin plated                 |
| Insulation material                       | PC/PPE                                                   |
| Locking system                            | Snap-in                                                  |
| Flame class                               | UL94-V0                                                  |
| Salt mist spray test,degree of severity 5 | IEC 62852                                                |

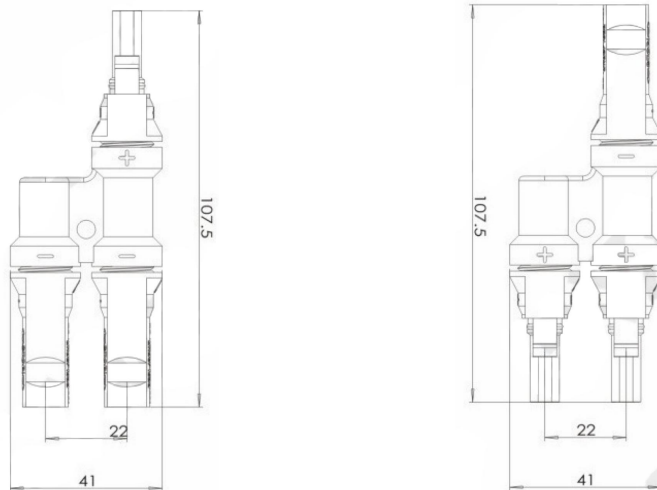


# Solar Connector

## Branch Connector PV-LT2



### Dimensions



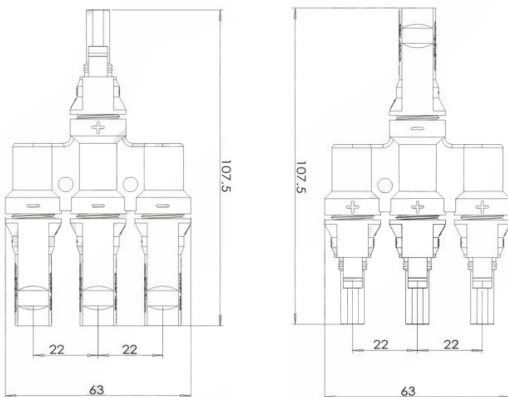
### Technical Data

|                           |                   |
|---------------------------|-------------------|
| Insulation Material       | PPO               |
| Contact Material          | Copper.Tin plated |
| Suitable Current          | 50A               |
| Rated Voltage             | 1500V             |
| Test Voltage              | 16kV              |
| Contact Resistance        | <0.5mΩ            |
| Degree Of Protection      | IP68              |
| Ambient Temperature Range | -40°C~+85°C       |
| Flame Class               | UL-94-V0          |
| Safety Class              | II                |
| Pin Dimensions            | Φ4mm              |

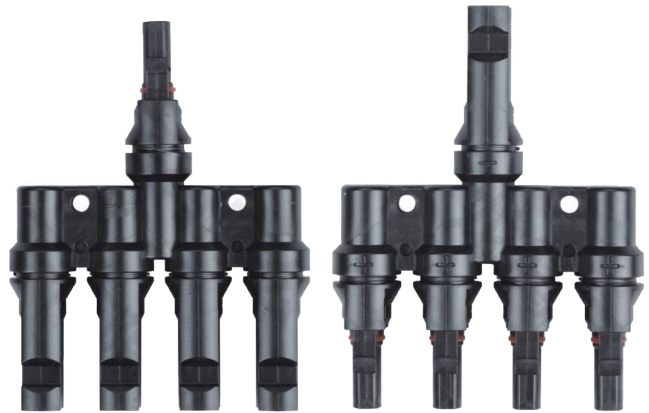
## Branch Connector PV-LT3



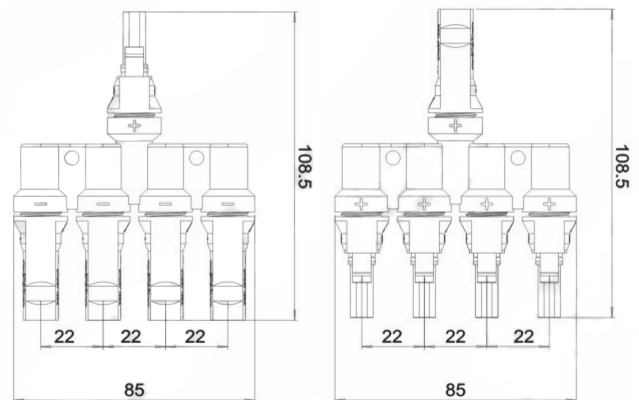
### Dimensions



## Branch Connector PV-LT4



### Dimensions



## Technical Data

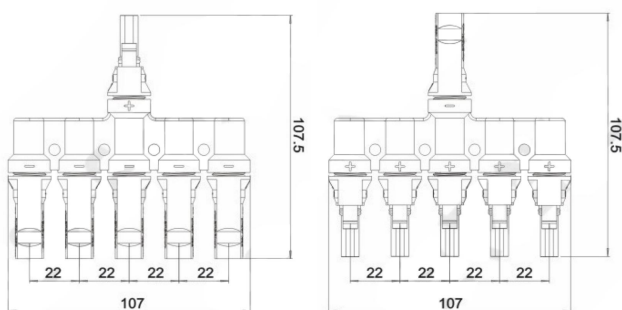
|                           |                   |
|---------------------------|-------------------|
| Insulation Material       | PPO               |
| Contact Material          | Copper.Tin plated |
| Suitable Current          | 50A               |
| Rated Voltage             | 1500V             |
| Test Voltage              | 16kV              |
| Contact Resistance        | <0.5mΩ            |
| Degree Of Protection      | IP68              |
| Ambient Temperature Range | -40°C~+85°C       |
| Flame Class               | UL94-V0           |
| Safety Class              | II                |
| Pin Dimensions            | Φ4mm              |

# Solar Connector

## Branch Connector PV-LT5



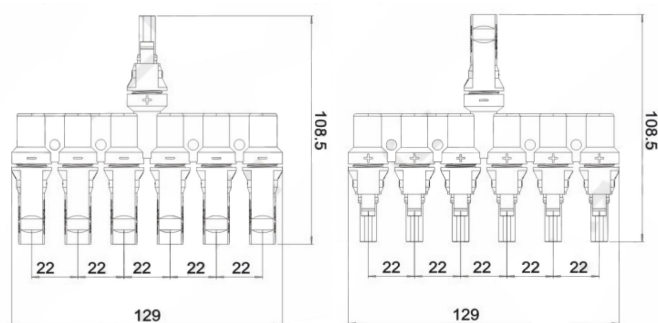
### Dimensions



## Branch Connector PV-LT6



### Dimensions



## Technical Data

|                           |                   |
|---------------------------|-------------------|
| Insulation Material       | PPO               |
| Contact Material          | Copper.Tin plated |
| Suitable Current          | 50A               |
| Rated Voltage             | 1500V             |
| Test Voltage              | 16kV              |
| Contact Resistance        | <0.5mΩ            |
| Degree Of Protection      | IP68              |
| Ambient Temperature Range | -40°C~+85°C       |
| Flame Class               | UL94-V0           |
| Safety Class              | II                |
| Pin Dimensions            | Φ4mm              |