

# Photovoltaic (PV) Solar Panel Connectors

These PV connectors are designed for connecting solar panels and related electrical components. They are essential for establishing secure and weatherproof connections in solar energy systems.



## Product Overview

### Professional PV Solar Connectors

These high-quality solar panel connectors are engineered for reliability in demanding outdoor environments. Constructed with UV-resistant and anti-aging materials, they ensure long-term performance with minimal power loss. Featuring a robust snap-in locking system and IP67 protection, these connectors provide a secure, weather-proof interface for solar energy systems.

## Electrical Specifications

### Performance Metrics

**1000 V DC**

Rated Voltage

**30 A**

Rated Current

**6 kV**

Impulse Withstand Voltage

Contact Resistance

0.5 m $\Omega$

## Physical Properties

### Technical Details

Feature	Value
PIN Diameter	4mm
Conductor Cross Section	Max 6.0 mm <sup>2</sup>
Insulation Material	PC/PA
Contact Material	Tin-plated Copper Alloy

## Environmental and Safety

Ratings and Compliance

IP67, UL94-V0, Class II, UV-Resistant

Operating Temperature

-40°C to 90°C

## Installation

### Installation Characteristics

- Snap-in locking system
- Rivet electrical connections
- Strong commonality
- Convenient installation