

# Photovoltaic Cable Connector

These PV connectors ensure secure and reliable solar panel connections. They feature a durable, weather-resistant housing and a positive locking mechanism for a stable electrical connection.



## Product Overview

### High-Performance Solar Connectivity

This photovoltaic cable connector is designed for reliable and long-lasting performance in demanding outdoor solar installations. Constructed with UV-resistant and anti-aging materials, it ensures a secure electrical connection with minimal power loss. The connector features an IP67 protection rating and a robust snap-in locking system, making it an ideal choice for professional-grade photovoltaic panel systems.

## Electrical Ratings

### Rated Current

**30 A**

Rated Current

**1500 V**

Rated Voltage

**6 kV**

Impulse Withstand

## Technical Specifications

### Detailed Specifications

Parameter	Value
PIN Diameter	4mm
Conductor Cross Section	Max 6.0 mm <sup>2</sup>
Contact Resistance	0.5m $\Omega$
Flame Class	UL94-V0
Protection Degree	IP67
Connection Method	Rivet

## Environmental & Materials

### Operating Conditions

- Ambient temperature range: -40°C to 90°C
- Anti-aging and UV-resistant housing
- Insulation material: PC/PA
- Contact material: Tin-plated copper alloy

## Certifications & Standards

### Safety & Classification

Class II • IEC Compliant • IP67 Rated • UL94-V0