

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 ²
Contact Resistance	0.5m Ω
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