

IP67 Waterproof Solar Connector

This IP67 waterproof solar connector provides a secure connection for photovoltaic systems. It is designed to withstand harsh environmental conditions, ensuring long-term performance.



ADDITIONAL IMAGES



Product Overview

PRODUCT DESCRIPTION

SOLAR CONNECTOR

IP67



Detailed component breakdown showing tail nuts, waterproof rings, and core assembly.

Robust Solar Connectivity

These high-quality MC4 solar connectors are engineered for secure and reliable operation in photovoltaic power systems. Featuring a ruggedized PPO plastic housing and silver-plated copper contacts, they provide exceptional resistance to heat, dust, and environmental wear. Designed with a snap-in self-locking structure, these connectors ensure reliable sealing to IP67 standards, preventing accidental disconnection and protecting against moisture and debris in outdoor conditions.

Electrical Specifications

Rated Current

30 A

Rated Current

Max System Voltage

1000 VDC

Contact Resistance

$< 0.5 \text{ m}\Omega$

Physical & Environmental

CHARACTERISTIC



Waterproof Enclosure
 Waterproof rating IP67. You can use the item without worrying about rain. Customers get an easily waterproof enclosure. Waterproof and secure.



Parts
 High-durability PPO plastic, high heat resistance, efficient in fire, wear-resistant, pollution-resistant.



Applied to products
 Multiple protection methods guaranteed, putting the best into the use that you can see it of some.



Stable self-locking structure
 The connection is completed by pressing the base and locking structure. Self-locking structure, which can be opened and closed.

High-durability design with IP67 rated housing and self-locking safety tabs.

Ingress Protection

IP67

Temperature Range

-40°C to +90°C

Unmating Force

200 N

Materials

PPO Plastic, Silver Plated Copper

Compatibility & Certification

Product Compatibility Matrix

Order NO.	Conductor Size	Cable OD (mm)
SMC4-CMMM-14	AWG 14 (2.5mm ²)	4.5 - 8.5
SMC4-CMMM-12	AWG 12 (4.0mm ²)	N/A
SMC4-CMMM-10	AWG 10	N/A

Certifications

TUV Approved, UL Listed, Class II