MC4 Connector 1000V IP67

1000V DC MC4 connector for 2.5–6 mm² PV cable. IP67, UL94-V0, copper tin-plated contacts, TÜV approved.

TÜV / IEC 62852 | Item: PV-C-1000 | RoHS / REACH available



Key specifications

Product item	PV-C-1000
Rated voltage	1000V DC (TÜV) / 600V DC (UL)
Rated current	20A – 30A
Protection degree	IP67
Temperature range	-40°C ~ +90°C
Housing material	PPO
Contact material	Copper, tin-plated
Cable cross section	2.5 mm² – 6.0 mm²
Contact resistance	≤ 0.3 mΩ
Pin diameter	Ø4 mm
Flame class	UL94-V0
Application class	Class II / Class A
Standard	IEC 62852:2014 / EN 62852:2015

Features & benefits

- Weatherproof and dustproof (IP67) for 25-year outdoor service
- UV resistant and flame retardant (UL94-V0) housing
- Copper inner core with tin plating — stable low-resistance connection
- Compatible with 800+ standard solar module connectors
- Quick and easy field assembly without special tools
- Compact design for 2.5–6 mm² PV cables

Typical applications

Residential rooftop PV · C&I rooftops · String harnesses

Need a custom version? Cable length, connector type, colors, labels and packing can be customized. Send your drawing or sample to info@beyondsolar.cn.

Trade terms

MOQ	100–500 pcs per model (trial orders accepted)
Samples	Free samples 1–2 pcs; buyer pays courier; cost refunded on first bulk order
Lead time	Samples 3–7 working days; bulk 7–15 days (OEM 15–25 days)
Payment	T/T 30% deposit, 70% before shipment; L/C at sight for large orders
Incoterms	EXW / FOB Guangzhou or Shenzhen / CIF
Warranty	2 years against manufacturing defects; 25-year designed service life