

● 1000V R4 Photovoltaic Connector



Product Description

Reliable DC Connections for High-Performance Solar Installations

The BritiPower R4 Photovoltaic Connector is designed to provide safe, efficient, and dependable electrical connections for photovoltaic systems. Engineered with durable PPO insulation and an IP68-rated housing, it delivers outstanding performance in demanding outdoor environments while ensuring long-term reliability.

Specification	Value
Model	R4 Photovoltaic Connector
Rated Voltage	1000 V DC
Rated Current	30 A / 45 A
Protection Rating	IP68
Protection Class	Class II
Cable Sizes	2.5 mm ² (14 AWG), 4 mm ² (12 AWG), 6 mm ² (10 AWG)
Contact Resistance	≤5 mΩ
Operating Temperature	-40°C to +85°C
Insulation Material	PPO
Fire Rating	V-0
Application Class	Class A

Secure & Efficient Electrical Performance

Designed to minimise power loss and maximise connection reliability.

- Rated for up to 1000 V DC
- Available in 30 A and 45 A current ratings
- Low contact resistance for efficient power transmission
- Stable long-term electrical performance

IP68 Weather Protection

Built to withstand harsh environmental conditions.

- Fully dustproof and waterproof (IP68)
- Suitable for permanent outdoor use
- Excellent resistance to moisture and environmental contaminants

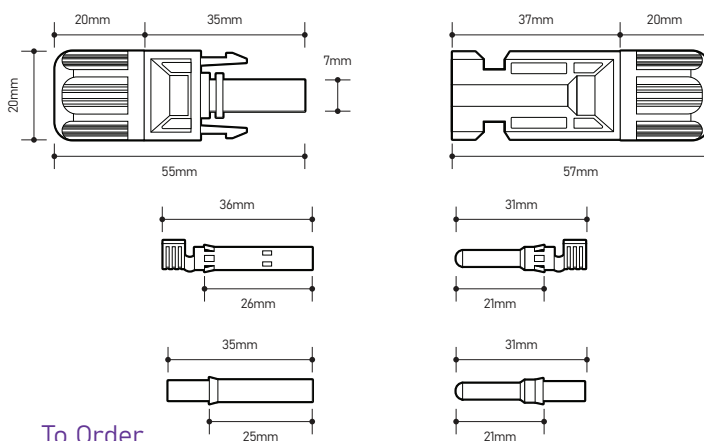
High-Quality PPO Insulation

Manufactured from premium Polyphenylene Oxide (PPO) for maximum durability.

Benefits

- High Temperature Resistance
- Maintains performance under elevated temperatures.
- Low Temperature Performance
- Reliable operation in cold climates.
- Flame Retardant
- V-0 fire-rated material improves installation safety.
- Long Service Life
- Designed for continuous outdoor photovoltaic applications.

Product Diagram



To Order

Use contact details below