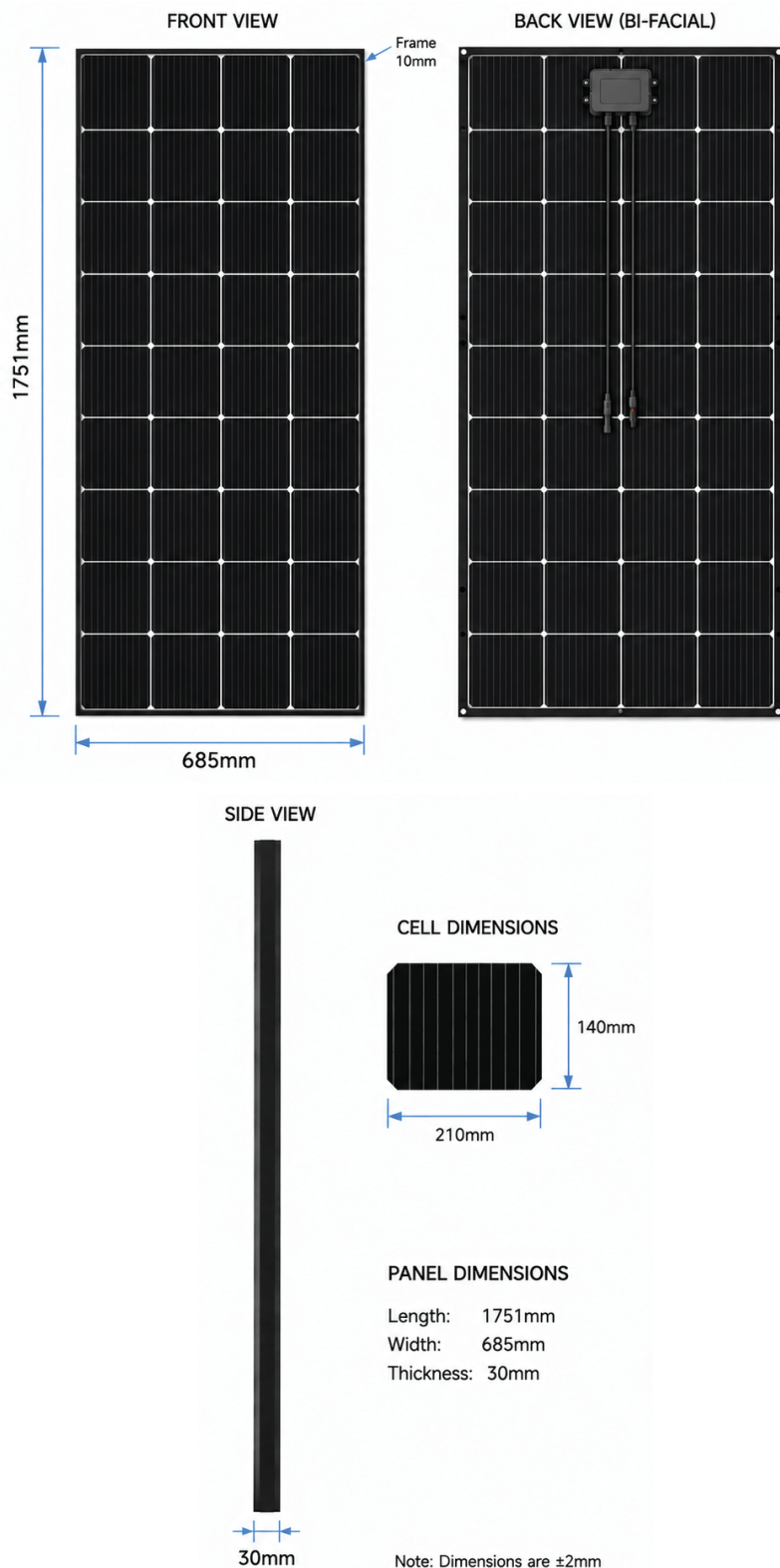


HUBSOLAR

HSBF250-36

250W Bi-Facial Solar Panel 36 cells



KEY FEATURES

- **Up to 24.4% Module Efficiency**
Advanced bi-facial cell technology maximizes power generation in a compact footprint.
- **36 Monocrystalline Solar Cells**
High-efficiency cells deliver exceptional performance in all lighting conditions.
- **Bi-Facial Energy Harvesting**
Generates power from both sides of the module, increasing energy yield from reflected sunlight.
- **Durable Glass-Glass Construction**
Provides superior durability and long-term reliability.
- **20-Year Performance Warranty**
Guaranteed long-term energy production and dependable operation.
- **5-Year Product Warranty**
Protection against defects in materials and manufacturing.

HUBSOLAR

HSBF250-36

**250W Bi-Facial
Solar Panel
36 cells**

TECHNICAL DATA

Type	250W
Type of Solar Cell	Mono
Number of Cells	36
Size of Module	1751x685x30mm
Module Weight	16 kg
Connector	IP-65 Junction Box / MC4
Fuse Rating	20 A
Front Cover Glass	Safety Glass
Back Cover Glass	Transparent solar back sheet
Front Cover Thickness	3.2 mm
Back Cover Thickness	0.25 mm
Frame	Black Anodized Aluminum

TEMPERATURE COEFFICIENTS

Power Coefficient (W)	-0.30%/C
Vmp Coefficient (V)	-0.28%/C
Isc Coefficient (A)	0.045%/C

POWER PERFORMANCE WARRANTY

10 year performance warranty to 90%	
20 year performance warranty to 80%	
5 year warranty against production and material defects	

ELECTRICAL DATA (STC)

Maximum Power	250W
Power Tolerance	up to +3%
Maximum Power Voltage - Vmpp	21.9
Maximum Power Current - Impp	11.4
Open Circuit Voltage - Voc	25.4
Short Circuit Current - Isc	12
Cell Efficiency	24.4%
Maximum System Voltage	1500V

SAFETY AND CERTIFICATIONS

Certifications	ETL
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STC: Irradiance 1000 W/m²; SpectrumAM1.5; Cell Temperature 25C, Wind 0m/s