

Shingled Semi-Flexible Solar Panels

B-SMF 160W

Warranty

- ◆ 2 years Manufacturer Warranty
- ◆ Warranty on Electrical Performance: 10 years 80% of power output

Manufacturing

- ◆ Original cell sorting system ensures the best electric cell match
- ◆ EL-Testing before packing.
- ◆ Comprehensive module power testing.

Performance

- ◆ Upgraded efficiency and unprecedented flexibility.
- ◆ Weakened hot-spot effect, extremely low risk of micro cracks and increased stability by shingle-tech.
- ◆ Special connection method lowers the internal resistance and ensures better performance than traditional connection with busbar.
- ◆ IP67 rated junction box, reliable cables and standard MC4 connectors improve the stability



Mechanical Data

Standard Test Conditions AM=1.5, E=1000W/m², TC=25°C

Nominal Power	160W
Cell Type	Monocrystalline
Cell Efficiency	21.4%
Maximum Power Current (I _{mpp})	7.27A
Maximum Power Voltage (V _{mpp})	22V
Open-circuit Voltage (V _{oc})	26V
Short-circuit Current (I _{sc})	7.79A
Maximum System Voltage	100V
Output Tolerance	+ 3%
Cable	900mm / 2.5mm ²
Connector Type	MC4 / MC4 Compatible
Module Structure	ETFE / EVA / Backsheet
Junction box rating	≥ IP67
Number of Diodes	One
Working Temperature	-20°C ~ +65°C

Packaging

Module Dimensions	1220*680*2mm
Module Weight	3.5kg
Package	Single Package
Pieces per Pallet	30
Gross Weight per Pallet	135kg
Pallet Dimensions	1240*1100*840mm