



BLUESUN SOLAR CO.,LTD



Semi-Flexible Solar Panels

60W/110W/160W



Shingled Semi-Flexible Solar Panels

BSM-SFLEX-60W

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	60W
Cell Type	Monocrystalline
Cell Efficiency	21.4%
Maximum Power Current (Impp)	3.30A
Maximum Power Voltage (Vmpp)	18.15V
Open-circuit Voltage (Voc)	21.45V
Short-circuit Current (Isc)	3.81A
Maximum System Voltage	100V
Output Tolerance	+3%
Cable	900mm / 1.5mm 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	880*350*2mm
Module Weight	1.3kg
Package	Single Package
Pieces per Pallet	56
Gross Weight per Pallet	120kg
Pallet Dimensions	1200*1100*700mm

Shingled Semi-Flexible Solar Panels

BSM-SFLEX-110W

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.
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Mechanical Data

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

Nominal Power	110W
Cell Type	Monocrystalline
Module	18.2%
Maximum Power Current (Impp)	5.86A
Maximum Power Voltage (Vmpp)	18.80V
Open-circuit Voltage (Voc)	22.30V
Short-circuit Current (Isc)	6.21A
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	1160*450*2mm
Module Weight	2.1kg
Package	Single Package
Pieces per Pallet	64
Gross Weight per Pallet	207kg
Pallet Dimensions	1100*1200*1070mm

Shingled Semi-Flexible Solar Panels

BSM-SFLEX-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
Module	27.5%
Maximum Power Current (Impp)	8.52A
Maximum Power Voltage (Vmpp)	18.8V
Open-circuit Voltage (Voc)	22.3V
Short-circuit Current (Isc)	9.03A
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	1170*680*2mm
Module Weight	3.3kg
Package	Single Package
Pieces per Pallet	32
Gross Weight per Pallet	143kg
Pallet Dimensions	1100*1250*840mm