



**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/m<sup>2</sup>, 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 <sup>2</sup>
Connector Type	MC4 / MC4 Compatible
Module Structure	ETFE / EVA / Backsheet
Junction box rating	≥IP67
Number of Diodes	One
Working Temperature	-40°C ~ +80°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.
- ◆ IP67 rated junction box, reliable cables and standard MC4 connectors improve the stability



### Mechanical Data

Standard Test Conditions AM=1.5, E=1000W/m<sup>2</sup>, TC=25°C

Nominal Power	110W
Cell Type	Monocrystalline
Cell Efficiency	21.4%
Maximum Power Current (Impp)	5.71A
Maximum Power Voltage (Vmpp)	19.25V
Open-circuit Voltage (Voc)	22.75V
Short-circuit Current (Isc)	6.22A
Maximum System Voltage	100V
Output Tolerance	+3%
Cable	900mm / 2.5mm <sup>2</sup>
Connector Type	MC4 / MC4 Compatible
Module Structure	ETFE / EVA / Backsheet
Junction box rating	≥IP67
Number of Diodes	One
Working Temperature	-40°C~+80°C

### Packaging

Module Dimensions	1130*520*2mm
Module Weight	2.5kg
Package	Single Package
Pieces per Pallet	33
Gross Weight per Pallet	115kg
Pallet Dimensions	1200*1100*700mm

# 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/m<sup>2</sup>, TC=25°C

Nominal Power	160W
Cell Type	Monocrystalline
Cell Efficiency	21.4%
Maximum Power Current (Impp)	7.46A
Maximum Power Voltage (Vmpp)	21.45V
Open-circuit Voltage (Voc)	25.35V
Short-circuit Current (Isc)	7.96A
Maximum System Voltage	100V
Output Tolerance	+3%
Cable	900mm / 2.5mm <sup>2</sup>
Connector Type	MC4 / MC4 Compatible
Module Structure	ETFE / EVA / Backsheet
Junction box rating	≥ IP67
Number of Diodes	One
Working Temperature	-40°C ~ +80°C

### Packaging

Module Dimensions	1250*680*2mm
Module Weight	3.5kg
Package	Single Package
Pieces per Pallet	30
Gross Weight per Pallet	135kg
Pallet Dimensions	1260*1100*840mm

