

100WP FLEXIBLE SOLAR PANELS

Electrical Characteristics

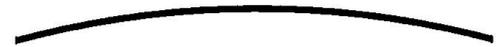
Model	SS-S100WP
Maximum Power at STC (Pmax)	100 W
Optimum Operating Voltage (Vmp)	17.60 V
Optimum Operating Current (Imp)	5.83A
Open - Circuit Voltage (Voc)	21.10V
Short - Circuit Current (Isc)	6.11A
Cell Efficiency	22.0%
Operating Module Temperature	-20 °C to +65 °C
Maximum System Voltage	1000 V DC (IEC) / 600 V DC (UL)
Maximum Series Fuse Rating	20 A
Power Tolerance	±5 %

STC: Irradiance 1000 W/m², module temperature 25 °C, AM=1.5;



Mechanical Characteristics

Solar Cell	Sunpower
No. of Cells	32 (4 × 8)
Dimensions	1060 × 530× 2.8mm
Weight	1.8 kgs
Front Glass	PET
Frame	N/A
Junction Box	IP67 rated
Output Cables	TUV (2Pfg1169:2007), UL 4703, UL 44 Optional 4.0 mm ² ,symmetrical lengths(-)1000mm and (+)1000mm
Connectors	SOLAR MC4 integrated twist locking connectors



Maximum recommended bending degree: 30 degree

Temperature Characteristics

Nominal Operating Cell Temperature (NOCT)	25±2°C
Temperature Coefficient of Pmax	-0.44 %/°C
Temperature Coefficient of Voc	-0.33 %/°C
Temperature Coefficient of Isc	0.055 %/°C

Warranty

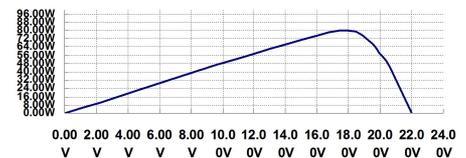
25-year transferrable power output warranty:

1 years/95% ,3 years/90%, 10 years/85%, 20 years/80%

Based on nominal power

1 years material and workmanship warranty

P-V CURVES



I-V CURVES

