

150WP FLEXIBLE SOLAR PANELS

Electrical Characteristics

Model	VSM648-150
Maximum Power at STC (Pmax)	150 W
Optimum Operating Voltage (Vmp)	26.4 V
Optimum Operating Current (Imp)	5.65 A
Open - Circuit Voltage (Voc)	31.65 V
Short - Circuit Current (Isc)	5.76 A
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;

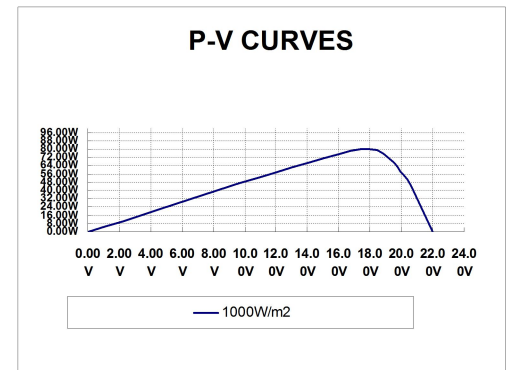


Mechanical Characteristics

Solar Cell	Sunpower
No. of Cells	48 (12×4)
Dimensions	1600 × 600× 3mm
Weight	3.2 kgs
Front	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

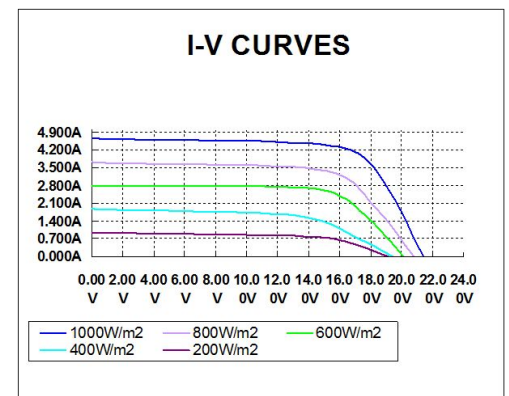


Maximum recommended bending degree: 30 degree



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

20-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