



KEY FEATURES

Solar Cells: high efficiency solar cells ensure high performance of the solar module and create maximum power output.

Front: High-transmission (over 92% or 95%) 3.2mm tempered glass; **Back:** TPT; **Encapsulation:** EVA.

Aluminum Frame: screw-less corner joints provide superior rigidity, ten predrilled mounting holes ease installation.

Superior Junction Box: Multi function junction box with water proof capabilities.

Under 10% decrease of output power within 10 years and 20% decrease in 20-25 years.

Tolerance: $\pm 3\%$.

High impact resistance affords superior performance during severe weather-high wind, driving rain, heavy snow and hail.

Moisture proof and corrosion-resistant.

Widely used in various electric appliances and instruments in the area. such as grid net, home power system, telecommunications, illumination, transportation etc.

SPM 200W 5^{inches} /72 Cells

SPM 200W

Allesun's photovoltaic modules are designed for large-scale electrical power requirements, with a 25 year warranty, offers high-power and reliable performance for solar projects, both on-and off-grid.



PRODUCT CERTIFICATES



25

YEARS

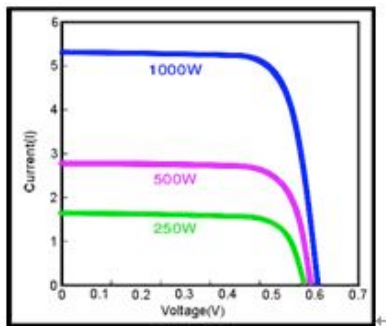
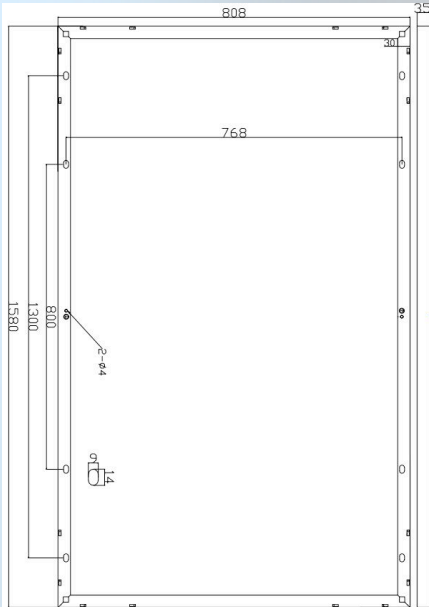
Linear Power output warranty

5-12

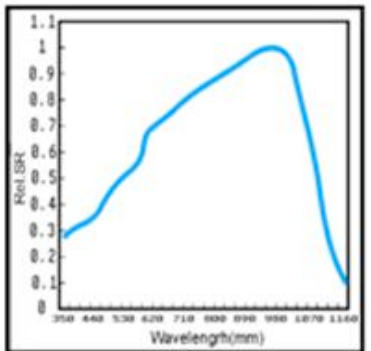
YEARS

Product warranty on materials and workmanship

DIMENSION OF PV MODULE



IV-Curve



Spectral Response

Electrical Characteristics

STANDARD TEST CONDITIONS: IRRADIANCE: 1000W/M² AM: 1.5 TEMPERATURE: 25°C

Maximum Power (Pmax)	200W
Maximum Power Voltage (Vmp)	37.4V
Maximum Power Current (Imp)	5.34A
Open Circuit Voltage (Voc)	44.7V
Short Circuit Current (Isc)	5.56A
Module Efficiency (%)	15.7%

Temperature Coefficients

Temperature Coefficients of Pm	-0.45%/°C
Temperature Coefficients of Voc	-0.34%/°C
Temperature Coefficients of Isc	+0.05%/°C

Max. Limits

Maximum System Voltage	1000V
Module Operating Temperature	-40 to +90°C
Noct	45°C±2°C

Mechanical Characteristics

Cell Technology and size	125mmx125mm(5 inches)	Mono-crystal silicon
Number of Cells (Pcs)	72(6x12)	
Dimensions	1580x808*35mm	
Weight	13.5 kgs	
Frame	Anodized Aluminum Alloy	
Length of Cables (mm)	900mm (35.43inch)	
Allowable Hail Load	227g steel ball dropped from 1m height	
Surface Maximum Load Capacity	5400pa	

Vietnam factory: B1, SONG Khe-Noi Hoang Ind. ZONE, Bac Giang City, Bac Giang

Ph:84 3766133

E-mail: info@allesun.com

sales@allesun.com

USA、CANADA、VIETNAM