



**KEY FEATURES**

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

Front: High-transmission (over 95%)3.2mm tempered glass: Back: TPT or KPF; 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 25 years.

Tolerance: 0~+2%.

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

**SPM (SLP) 200-220**

**Mono 5<sup>inches</sup> /72 Cells**

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Allesun's photovoltaic modules are designed for large-scale electrical power requirements, with a 25 years warranty, offers high-power and reliable performance for solar projects, both on and off-grid. **Anti-PID and Avoid Snail Grain. High Power Ribbon (1% more power output).**



**PRODUCT CERTIFICATES**



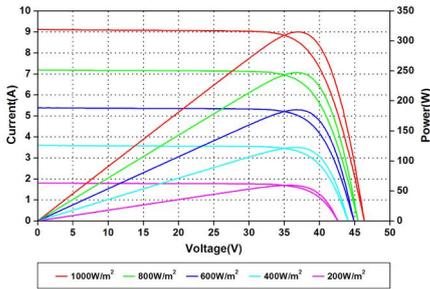
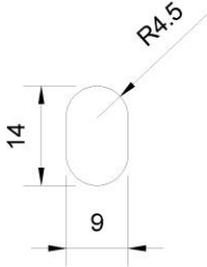
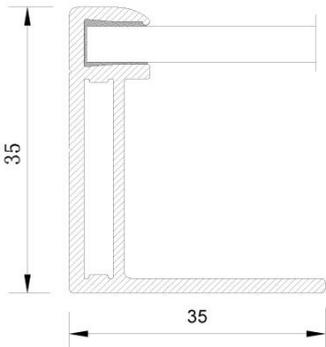
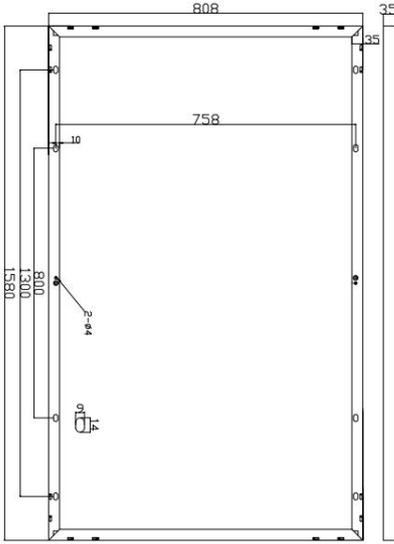
Linear Power output warranty

**25  
YEARS**

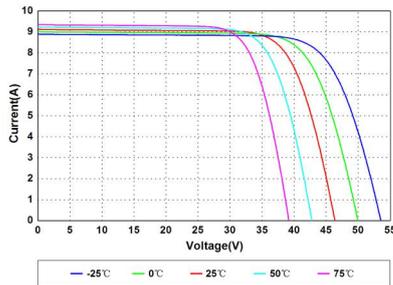
Product warranty on materials and workmanship

**10  
YEARS**

# DIMENSION OF PV MODULE



Current-Voltage and Power-Voltage Curves at Different Irradiances



Current-Voltage Curves at Different Temperatures

## Electrical Characteristics

STANDARD TEST CONDITIONS: IRRADIANCE: 1000W/M<sup>2</sup> AM: 1.5 TEMPERATURE: 25°C

Maximum Power (Pmax)	200W	205W	210W	215W	220W
Maximum Power Voltage (Vmp)	37.20	37.40	37.60	37.80	38.00
Maximum Power Current (Imp)	5.38	5.48	5.59	5.69	5.79
Open Circuit Voltage (Voc)	45.70	45.90	46.00	46.10	46.20
Short Circuit Current (Isc)	5.76	5.83	5.90	5.97	6.04
Module Efficiency (%)	15.66	16.05	16.44	16.84	17.23

## 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 and 1500V applicable(high cost)
Module Operating Temperature	-40 to +86°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	1580x808x35mm
Weight	13 kgs
Frame	Anodized Aluminum Alloy
Length of Cables (mm)	900mm (35.43inch) MC4 connectors available
Allowable Hail Load	227g steel ball dropped from 1m height
Surface Maximum Load Capacity	5400pa

Modules per pallet	32 pcs
Modules per 40HQ container	1194 pcs