



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(BSLP) 300-320

Mono 6^{inches} /60 Cells

SPM(BSLP) 300-320

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



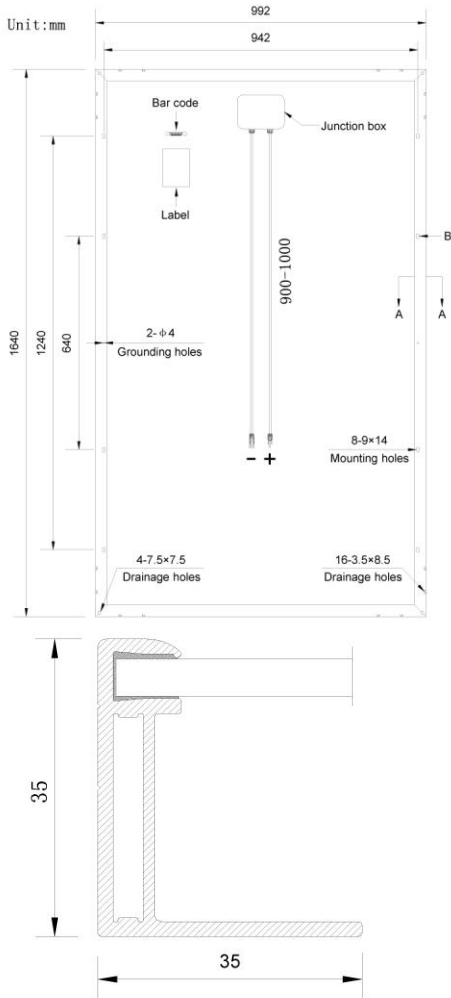
Linear Power output warranty

25
YEARS

Product warranty on materials and workmanship

10
YEARS

DIMENSION OF PV MODULE



Electrical Characteristics

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

Maximum Power (Pmax)	300W	305W	310W	315W	320W
Maximum Power Voltage (Vmp)	32.90	33.20	33.40	33.60	33.80
Maximum Power Current (Imp)	9.12	9.20	9.28	9.36	9.47
Open Circuit Voltage (Voc)	39.70	39.90	40.10	40.30	40.50
Short Circuit Current (Isc)	9.57	9.63	9.69	9.75	9.94
Module Efficiency (%)	18.44	18.75	19.05	19.36	19.66

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

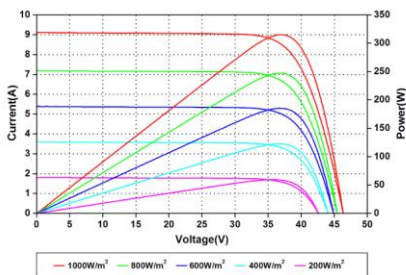
Maximum System Voltage	1000V and 1500V applicable(high cost)
Module Operating Temperature	-40°C to +86°C
Noct	45°C±2 °C

Mechanical Characteristics

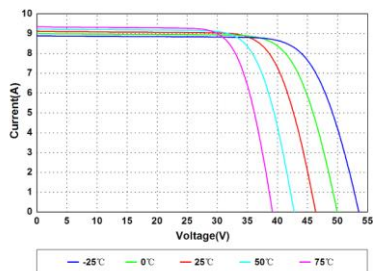
Cell Technology and size	156.75mmx156.75mm(6 inches) Mono-crystal silicon
Number of Cells (pcs)	60(6x10)
Dimensions	1640x992x35mm
Weight	18 kgs
Frame	Anodized Aluminum Alloy
Length of Cables (mm)	900mm (35.43inch)
Allowable Hail Load	227g steel ball dropped from 1m height
Surface Maximum Load Capacity	5400pa

Packaging configuration

Modules per pallet	32pcs
Modules per 40HQ container	980pcs (1640x992*35mm)



Current-Voltage and Power-Voltage Curves at Different Irradiances



Current-Voltage Curves at Different Temperatures

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