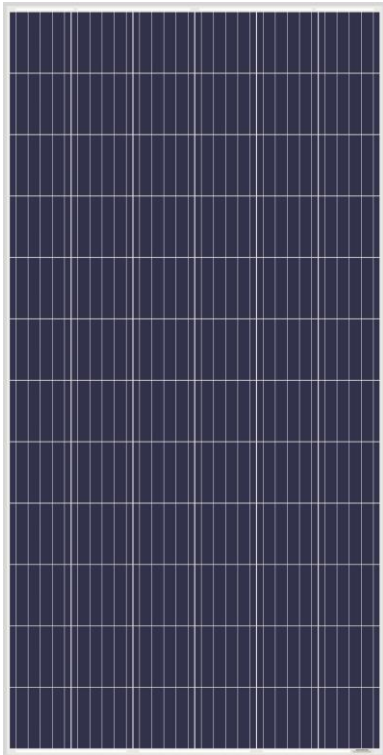




AS-6P-xxxW

POLYCRYSTALLINE MODULE



ADVANCED PERFORMANCE & PROVEN ADVANTAGES

- High module conversion efficiency up to 17.78% by using high efficient solar cells and advanced manufacturing technology.
- Low degradation and excellent performance under high temperature and low light conditions.
- Robust aluminum frame ensures the modules to withstand wind loads up to 2400Pa and snow loads up to 5400Pa.
- High reliability against extreme environmental conditions.

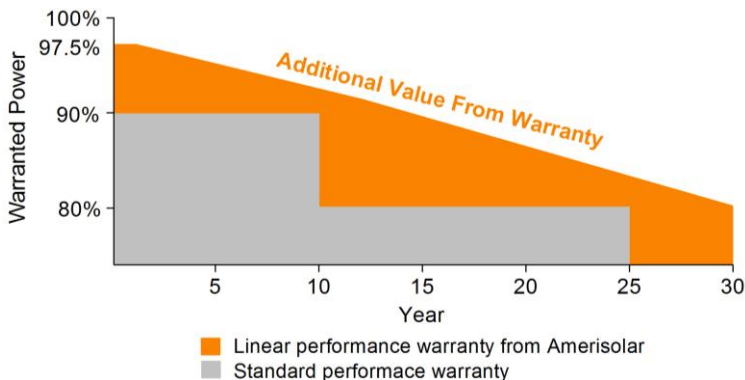
CERTIFICATIONS

- IEC61215, IEC61730, CE, CQC, CGC, ETL(USA), JET(Japan), J-PEC(Japan), Kemco(South Korea), KS(South Korea), MCS(UK), FSEC(FL-USA), CSI Eligible(CA-USA), Israel Electric(Israel), InMetro(Brazil), TSE(Turkey)
- ISO9001:2008: Quality management system
- ISO14001:2004: Environmental management system
- OHSAS18001:2007: Occupational health and safety management system

Passionately
committed to
delivering innovative
energy solution

SPECIAL WARRANTY

- 12 years limited product warranty.
- Limited linear power warranty: 12 years 91.2% of the nominal power output, 30 years 80.6% of the nominal power output.



ELECTRICAL CHARACTERISTICS AT STC

Maximum Power (P_{max})	320W	325W	330W	335W	340W	345W
Open Circuit Voltage (V_{OC})	45.7V	45.8V	45.9V	46.0V	46.1V	46.2V
Short Circuit Current (I_{SC})	9.04A	9.15A	9.26A	9.38A	9.50A	9.62A
Voltage at Maximum Power (V_{mp})	37.1V	37.2V	37.3V	37.4V	37.5V	37.6V
Current at Maximum Power (I_{mp})	8.63A	8.74A	8.85A	8.96A	9.07A	9.18A
Module Efficiency (%)	16.49	16.75	17.01	17.26	17.52	17.78
Operating Temperature	-40°C to +85°C					
Maximum System Voltage	1500V DC					
Fire Resistance Rating	Class C					
Maximum Series Fuse Rating	15A					

STC: Irradiance 1000W/m², Cell temperature 25°C, AM1.5; Binning Tolerance of P_{max}: ±5W; Measurement Tolerance: ±3%

ELECTRICAL CHARACTERISTICS AT NOCT

Maximum Power (P_{max})	236W	239W	243W	247W	251W	255W
Open Circuit Voltage (V_{OC})	42.1V	42.2V	42.3V	42.4V	42.5V	42.6V
Short Circuit Current (I_{SC})	7.32A	7.41A	7.50A	7.60A	7.70A	7.79A
Voltage at Maximum Power (V_{mp})	33.8V	33.9V	34.0V	34.1V	34.2V	34.3V
Current at Maximum Power (I_{mp})	6.98A	7.05A	7.15A	7.25A	7.34A	7.44A

NOCT: Irradiance 800W/m², Ambient temperature 20°C, Wind Speed 1 m/s

MECHANICAL CHARACTERISTICS

Cell type	Polycrystalline 5BB 156.75x156.75mm (6x6inches)
Number of cells	72 (6x12)
Dimensions	1956x992x35mm (77.01x39.06x1.38inches)
Weight	23kg (50.7lbs)
Front cover	3.2mm (0.13inches) tempered glass with AR coating
Frame	Anodized aluminum alloy
Junction box	IP67, 3 diodes
Cable	4mm ² (0.006inches ²), 1000mm (39.37inches)
Connector	PV-ZH202B(Manufacturer: Zhonghuan Sunter)

TEMPERATURE CHARACTERISTICS

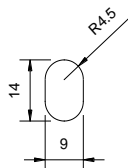
Nominal Operating Cell Temperature (NOCT)	45°C±2°C
Temperature Coefficients of P_{max}	-0.39%/°C
Temperature Coefficients of V_{OC}	-0.29%/°C
Temperature Coefficients of I_{SC}	0.052%/°C

PACKAGING

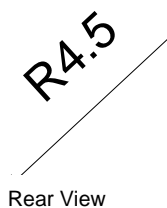
Standard packaging	30pcs/pallet
Module quantity per 20' container	300pcs
Module quantity per 40' container	660pcs(GP)/715pcs(HQ)

ENGINEERING DRAWINGS

Unit: mm



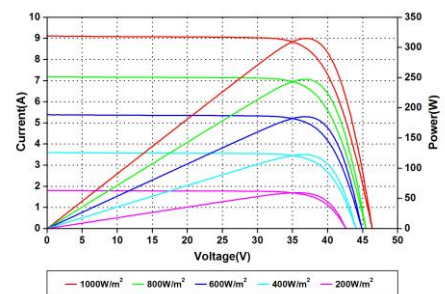
B



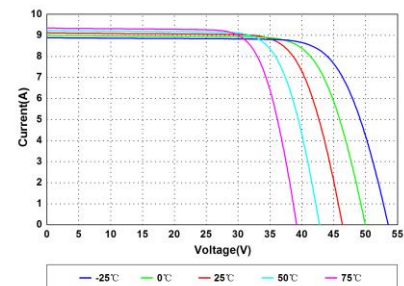
Rear View

Section A-A

IV CURVES



Current-Voltage and Power-Voltage Curves at Different Irradiances



Current-Voltage Curves at Different Temperatures

Specifications in this datasheet are subject to change without prior notice.