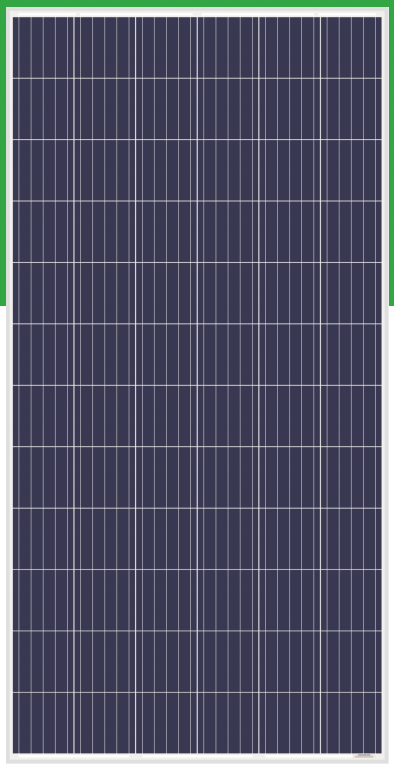
Amerisolar | New Energy New World®



AS-6P

325W~355W

POLYCRYSTALLINE MODULE

ADVANCED PERFORMANCE & PROVEN ADVANTAGES

- High module conversion efficiency up to 17.90% through innovative five busbar cell 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 3600Pa and snow loads up to 5400Pa.
- High reliability against extreme environmental conditions (passing salt mist, ammonia and hail tests).
- Potential induced degradation (PID) resistance.

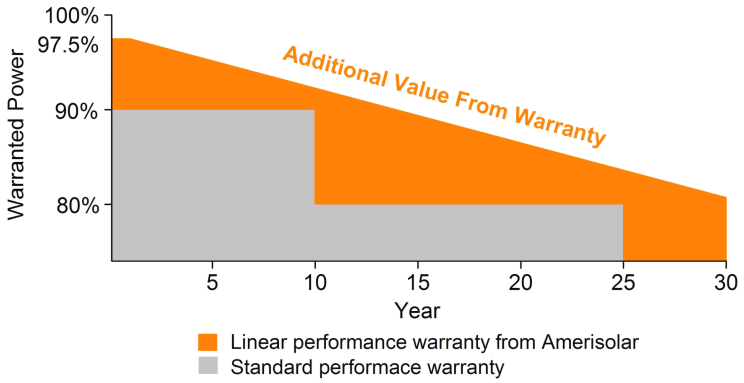
CERTIFICATIONS

- IEC 61215, IEC 61730, UL 1703, IEC 62716, IEC 61701, IEC TS 62804, CE, CQC, ETL(USA), JET(Japan), J-PEC(Japan), KS(South Korea), BIS(India), MCS(UK), CEC(Australia), CSI Eligible(CA-USA), Israel Electric(Israel), InMetro(Brazil), TSE(Turkey)
- ISO 9001:2015: Quality management system
- ISO 14001:2015: Environmental management system
- ISO 45001:2018: Occupational health and safety management system

SPECIAL WARRANTY

- 20 years product warranty
- 30 years linear power output warranty

Passionately committed to delivering innovative energy solution



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ELECTRICAL CHARACTERISTICS AT STC

Maximum Power (P_{max})	325W	330W	335W	340W	345W	350W	355W
Open Circuit Voltage (V_{OC})	45.7V	45.9V	46.1V	46.3V	46.5V	46.7V	46.9V
Short Circuit Current (I_{SC})	9.28A	9.36A	9.44A	9.52A	9.60A	9.68A	9.76A
Voltage at Maximum Power (V_{mp})	37.1V	37.3V	37.5V	37.7V	37.9V	38.1V	38.3V
Current at Maximum Power (I_{mp})	8.77A	8.85A	8.94A	9.02A	9.11A	9.19A	9.27A
Module Efficiency (%)	16.39	16.64	16.89	17.15	17.40	17.65	17.90
Operating Temperature	-40°C to +85°C						
Maximum System Voltage	1000V DC/1500V DC						
Fire Resistance Rating	Type 1(in accordance with UL 1703)/Class C(IEC 61730)						
Maximum Series Fuse Rating	15A						

STC: Irradiance 1000W/m^2, Cell temperature 25°C, AM1.5; Tolerance of Pmax: ±3%; Measurement Tolerance: ±3%

ELECTRICAL CHARACTERISTICS AT NOCT

Maximum Power (P_{max})	241W	244W	248W	252W	256W	259W	263W
Open Circuit Voltage (V_{OC})	42.0V	42.2V	42.4V	42.6V	42.8V	43.0V	43.2V
Short Circuit Current (I_{SC})	7.52A	7.58A	7.65A	7.71A	7.78A	7.84A	7.91A
Voltage at Maximum Power (V_{mp})	33.7V	33.9V	34.1V	34.3V	34.5V	34.7V	34.9V
Current at Maximum Power (I_{mp})	7.16A	7.20A	7.28A	7.35A	7.42A	7.47A	7.54A

NOCT: Irradiance 800W/m^2, Ambient temperature 20°C, Wind Speed 1 m/s

MECHANICAL CHARACTERISTICS

Cell type	Polycrystalline 158.75*158.75mm
Number of cells	72 (6x12)
Module dimensions	1979x1002x35mm (77.91x39.45x1.38inches)
Weight	21.5kg (47.4lbs)
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	MC4 or MC4 compatible

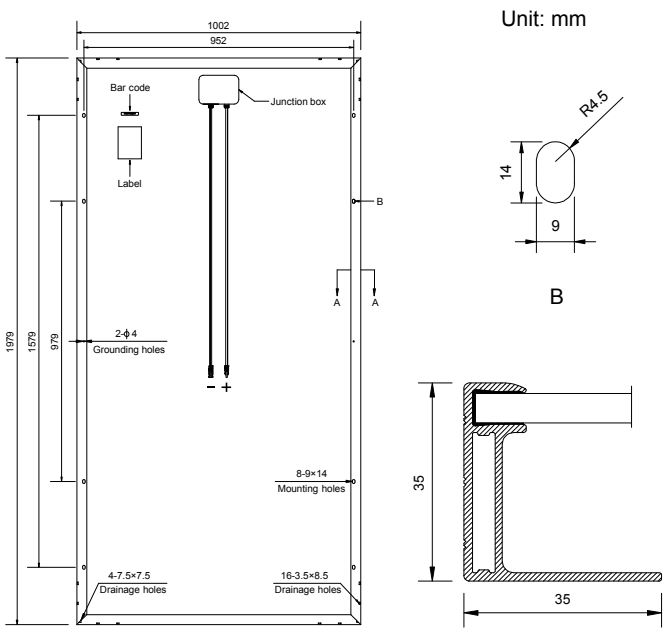
TEMPERATURE CHARACTERISTICS

Nominal Operating Cell Temperature (NOCT)	45°C±2°C
Temperature Coefficients of P_{max}	-0.39%/°C
Temperature Coefficients of V_{OC}	-0.30%/°C
Temperature Coefficients of I_{SC}	0.05%/°C

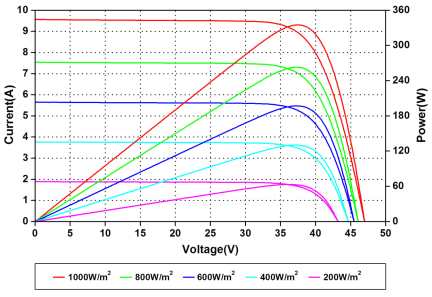
PACKAGING

Standard packaging	31pcs/pallet
Module quantity per 20' container	310pcs
Module quantity per 40' container	682pcs(GP)/780pcs(HQ)

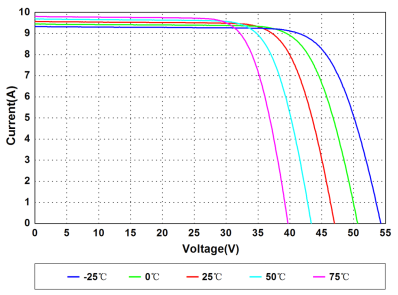
ENGINEERING DRAWINGS



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.