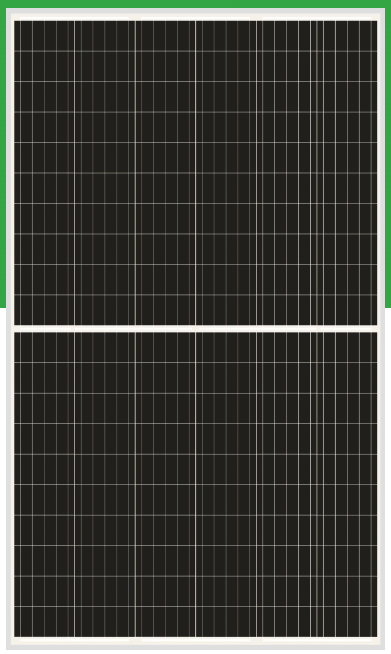
Amerisolar | New Energy New World®

PLATINUM



AS-6M30-HC

320W~340W

MONOCRYSTALLINE MODULE

ADVANCED PERFORMANCE & PROVEN ADVANTAGES

- High module conversion efficiency up to 20.15% by using innovative Half-cell design and Passivated Emmiter Rear Contact (PERC) technology.
- Low temperature coefficient 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 (passing salt mist, ammonia and hail tests).
- Potential induced degradation (PID) resistance.

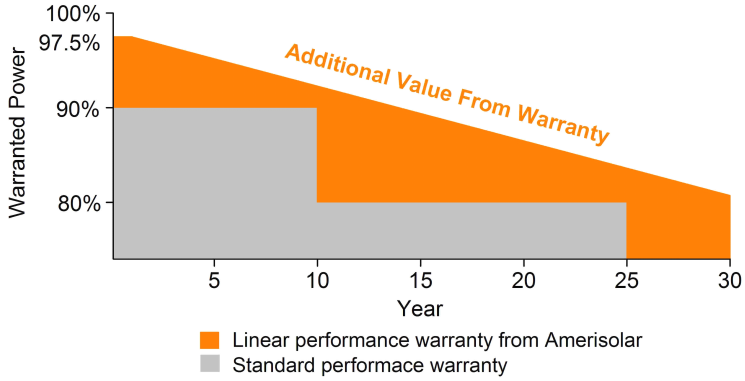
CERTIFICATIONS

- 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



Worldwide Energy and Manufacturing USA Co., Ltd.
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ELECTRICAL CHARACTERISTICS AT STC

Maximum Power (P_{max})	320W	325W	330W	335W	340W
Open Circuit Voltage (V_{OC})	40.4V	40.6V	40.8V	41.0V	41.2V
Short Circuit Current (I_{SC})	10.00A	10.08A	10.16A	10.24A	10.32A
Voltage at Maximum Power (V_{mp})	33.8V	34.0V	34.2V	34.4V	34.6V
Current at Maximum Power (I_{mp})	9.47A	9.56A	9.65A	9.74A	9.83A
Module Efficiency (%)	18.96	19.26	19.56	19.85	20.15
Operating Temperature	-40°C to +85°C				
Maximum System Voltage	1000V DC/1500V DC				
Fire Resistance Rating	Type 1(in accordance with UL1703)/Class C(IEC61730)				
Maximum Series Fuse Rating	20A				

STC: Irradiance 1000W/m^2, Cell temperature 25°C, AM1.5; Tolerance of Pmax: 0~+3%; Measurement Tolerance: ±3%

ELECTRICAL CHARACTERISTICS AT NOCT

Maximum Power (P_{max})	239W	243W	247W	251W	255W
Open Circuit Voltage (V_{OC})	37.1V	37.3V	37.5V	37.7V	37.9V
Short Circuit Current (I_{SC})	8.10A	8.16A	8.22A	8.28A	8.34A
Voltage at Maximum Power (V_{mp})	30.7V	30.9V	31.1V	31.3V	31.5V
Current at Maximum Power (I_{mp})	7.79A	7.87A	7.95A	8.02A	8.10A

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

MECHANICAL CHARACTERISTICS

Cell type	Monocrystalline PERC158.75x79.375mm
Number of cells	120 (6x20)
Module dimensions	1684x1002x35mm (66.30x39.45x1.38inches)
Weight	18.5kg (40.8lbs)
Front cover	3.2mm (0.13inches) tempered glass with AR coating
Frame	Anodized aluminum alloy
Junction box	IP68, 3 diodes
Cable	4mm^2 (0.006inches^2), Length: Portrait: 300mm Landscape: 1150mm (45.281inches)
Connector	MC4 or MC4 compatible

TEMPERATURE CHARACTERISTICS

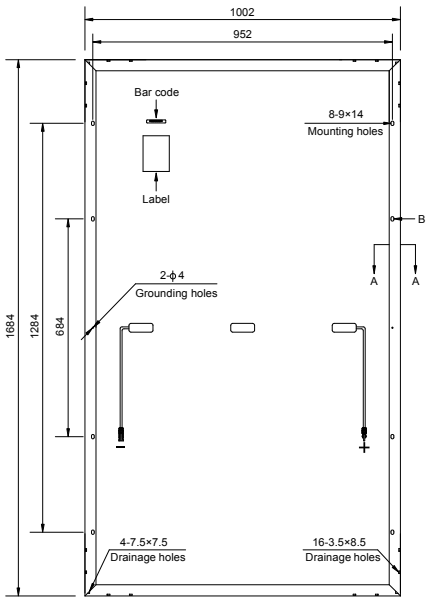
Nominal Operating Cell Temperature (NOCT)	43°C±2°C
Temperature Coefficients of P_{max}	-0.36%/°C
Temperature Coefficients of V_{OC}	-0.28%/°C
Temperature Coefficients of I_{SC}	0.05%/°C

PACKAGING

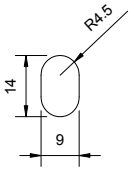
Standard packaging	31pcs/pallet
Module quantity per 20' container	372pcs
Module quantity per 40' container	806pcs(GP)/884pcs(HQ)

ENGINEERING DRAWINGS

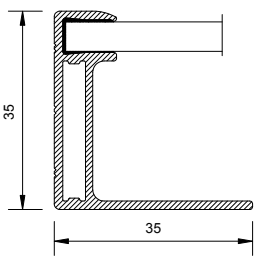
Unit: mm



Rear View

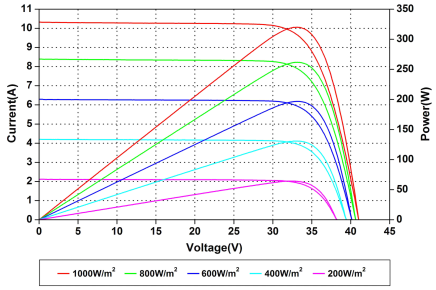


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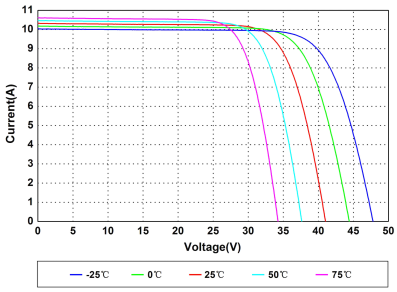


Section A-A

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.