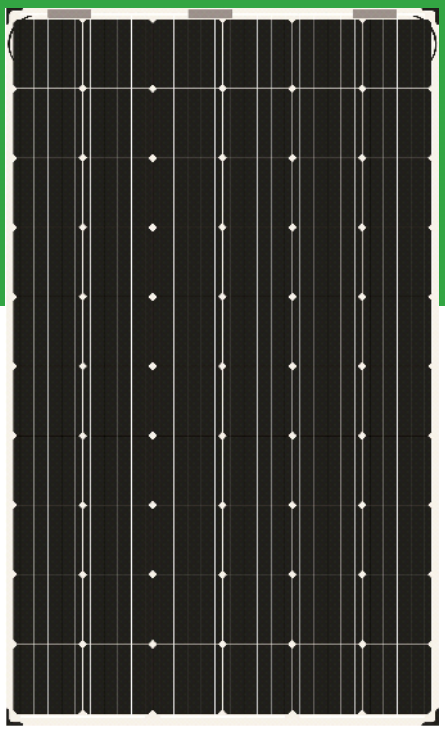
Amerisolar | New Energy New World®

PLATINUM



AS-6M30-BET

300W~320W

MONOCRYSTALLINE MODULE

ADVANCED PERFORMANCE & PROVEN ADVANTAGES

- More power gain up to 30% by utilizing the ambient light reflected from surrounding surfaces.
- Lower annual power degradation and higher energy yield during the module's lifetime.
- High load-bearing capacity which can withstand wind loads up to 2400Pa and snow loads up to 5400Pa.
- Excellent reliability and durability against extreme environmental conditions (high resistance to salt mist, ammonia, sand, acid and alkali, etc.).
- Potential induced degradation (PID) free.

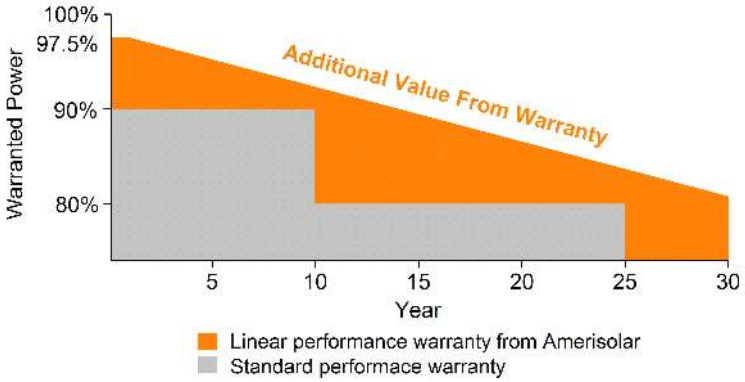
CERTIFICATIONS

- IEC61215, IEC61730, CE
- 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})	300W	305W	310W	315W	320W
Open Circuit Voltage (V_{OC})	39.8V	40.0V	40.2V	40.4V	40.6V
Short Circuit Current (I_{SC})	9.69A	9.77A	9.85A	9.93A	10.01A
Voltage at Maximum Power (V_{mp})	32.8V	33.0V	33.2V	33.4V	33.6V
Current at Maximum Power (I_{mp})	9.15A	9.25A	9.34A	9.44A	9.53A
Module Efficiency (%)	18.24	18.54	18.85	19.15	19.46
Operating Temperature	-40°C to +85°C				
Maximum System Voltage	1500 V DC				
Fire Resistance Rating	Class A (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})	224W	227W	231W	235W	239W
Open Circuit Voltage (V_{OC})	36.6V	36.8V	37.0V	37.2V	37.4V
Short Circuit Current (I_{SC})	7.85A	7.91A	7.98A	8.04A	8.11A
Voltage at Maximum Power (V_{mp})	29.9V	30.1V	30.3V	30.5V	30.7V
Current at Maximum Power (I_{mp})	7.50A	7.55A	7.63A	7.71A	7.79A

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

MECHANICAL CHARACTERISTICS

Cell type	Monocrystalline bifacial 6inch
Number of cells	60 (6x10)
Module dimensions	1658x992x6mm (Junction box is not included)
Weight	23kg
Front Glass	2.5mm Tempered glass with AR coating
Back Glass	2.5mm Tempered glass
Junction box	IP68, 3 diodes
Cable	4mm^2, 300mm
Connector	MC4 or MC4 compatible

TEMPERATURE CHARACTERISTICS

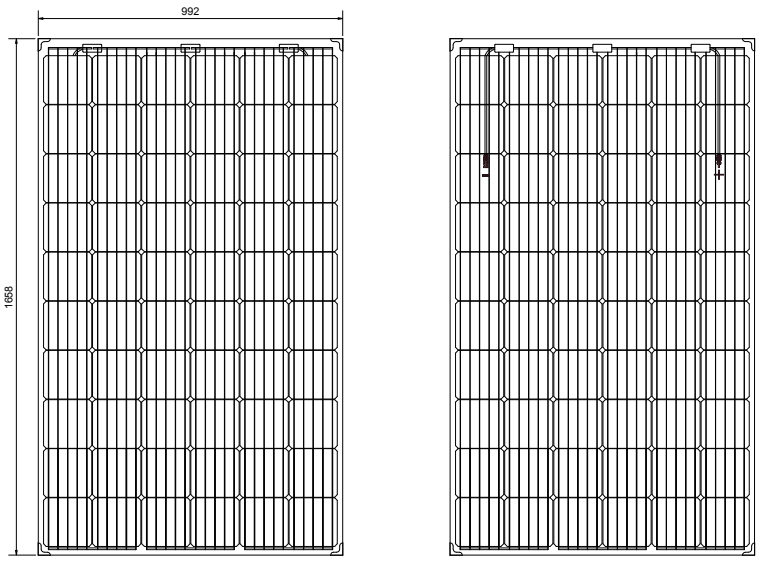
Nominal Operating Cell Temperature (NOCT)	45°C±2°C
Temperature Coefficients of P_{max}	-0.38%/°C
Temperature Coefficients of V_{OC}	-0.29%/°C
Temperature Coefficients of I_{SC}	0.048%/°C

PACKAGING

Standard packaging	33pcs/pallet
Module quantity per 20' container	198Pcs
Module quantity per 40' container	858pcs

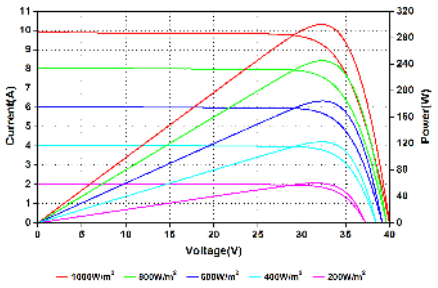
ENGINEERING DRAWINGS

Unit: mm

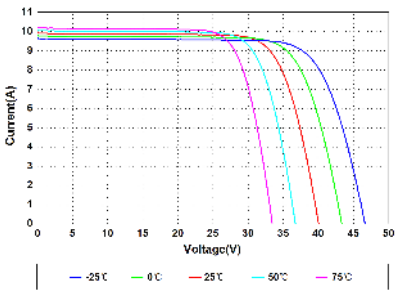


Front Back

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.

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