

AS-6M30-BHC 325W~345W

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.
- Superior performance under high temperature and low light conditions.
- 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

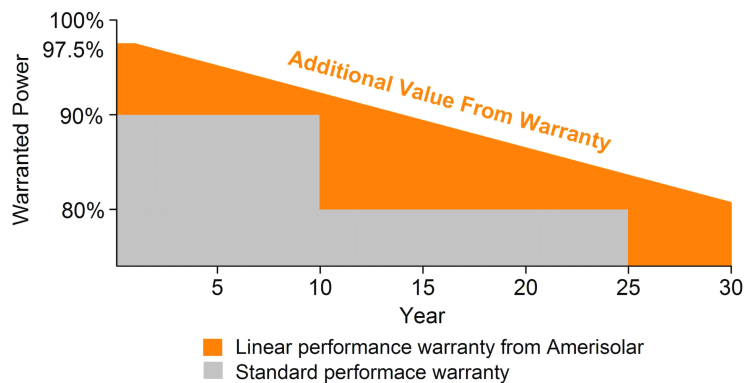


- IEC 61215, IEC 61730, CE
- ISO9001:2015: Quality management system
- ISO14001:2015: Environmental management system
- ISO 45001:2018: Occupational health and safety management system

SPECIAL WARRANTY

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

**Passionately
committed to
delivering innovative
energy solution**



ELECTRICAL CHARACTERISTICS AT STC*

Module Type	AS-6M30-BHC-325W	AS-6M30-BHC-330W	AS-6M30-BHC-335W	AS-6M30-BHC-340W	AS-6M30-BHC-345W
Maximum Power (P_{max})	325W	330W	335W	340W	345W
Open Circuit Voltage (V_{oc})	40.6V	40.8V	41.0V	41.2V	41.4V
Short Circuit Current (I_{sc})	10.08A	10.16A	10.24A	10.32A	10.40A
Voltage at Maximum Power (V_{mp})	34.0V	34.2V	34.4V	34.6V	34.8V
Current at Maximum Power (I_{mp})	9.56A	9.65A	9.74A	9.83A	9.92A
Module Efficiency (%)	19.26	19.56	19.85	20.15	20.45
Operating Temperature	-40°C to +85°C				
Maximum System Voltage	1000V DC/1500V DC				
Fire Resistance Rating	Class C				
Maximum Series Fuse Rating	20A				

*STC: Irradiance 1000W/m², Cell temperature 25°C, AM1.5; Tolerance of Pmax: ±3%; Measurement Tolerance: ±3%

ELECTRICAL CHARACTERISTICS AT NOCT**

Module Type	AS-6M30-BHC-325W	AS-6M30-BHC-330W	AS-6M30-BHC-335W	AS-6M30-BHC-340W	AS-6M30-BHC-345W
Maximum Power (P_{max})	243W	247W	251W	255W	259W
Open Circuit Voltage (V_{oc})	37.3V	37.5V	37.7V	37.9V	38.1V
Short Circuit Current (I_{sc})	8.16A	8.22A	8.28A	8.34A	8.40A
Voltage at Maximum Power (V_{mp})	30.9V	31.1V	31.3V	31.5V	31.7V
Current at Maximum Power (I_{mp})	7.87A	7.95A	8.02A	8.10A	8.18A

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

ELECTRICAL CHARACTERISTICS WITH DIFFERENT REAR SIDE POWER GAIN (EXAMPLE: AS-6M30-BHC-335W)

Power Gain	P_{max}	V_{oc}	I_{sc}	V_{mp}	I_{mp}
10%	369W	41.0V	11.29A	34.4V	10.24A
15%	385W	41.0V	11.78A	34.4V	10.73A
20%	402W	41.0V	12.30A	34.4V	11.19A
25%	419W	41.0V	12.82A	34.4V	12.19A
30%	436W	41.0V	13.34A	34.4V	12.68A

MECHANICAL CHARACTERISTICS

Cell type	Monocrystalline bifacial
Number of cells	120 (6x20)
Module dimensions	1684x1002x35mm
Weight	18.5kg
Front cover	3.2mm tempered glass with AR coating
Back cover	Transparent backsheet
Frame	Anodized aluminum alloy
Junction box	IP68, 3 diodes
Cable	4mm ² , Length: Portrait: 300mm; Landscape: 1150mm
Connector	MC4 compatible

TEMPERATURE CHARACTERISTICS

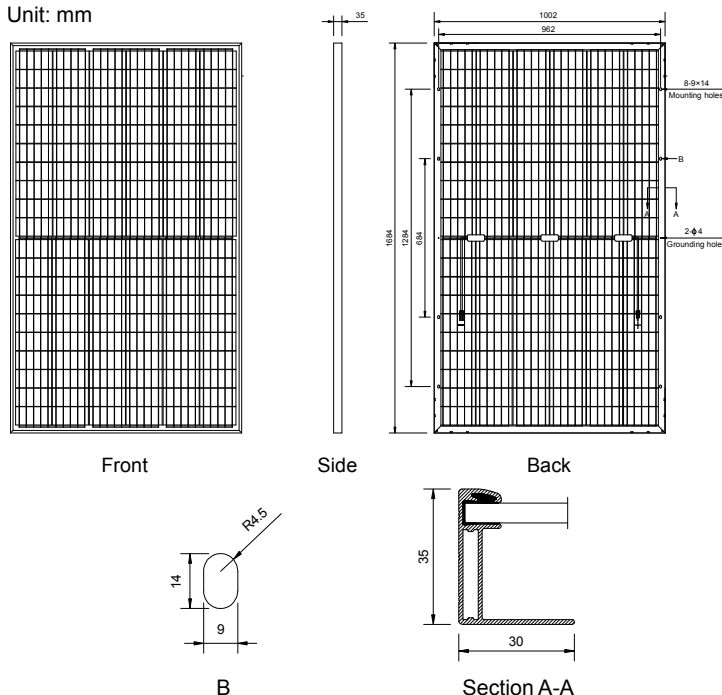
Nominal Operating Cell Temperature (NOCT)	42°C±2°C
Temperature Coefficients of P_{max}	-0.36%/°C
Temperature Coefficients of V_{oc}	-0.28%/°C
Temperature Coefficients of I_{sc}	0.05%/°C

PACKAGING

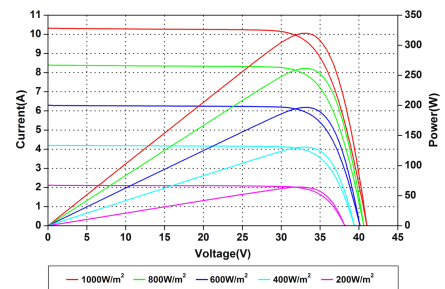
Standard packaging	31pcs/pallet
Module quantity per 20' container	372pcs
Module quantity per 40' container	806pcs(GP)/884pcs(HQ)

ENGINEERING DRAWINGS

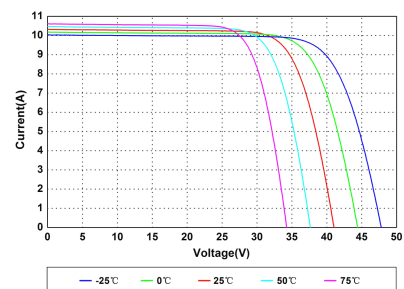
Unit: mm



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.