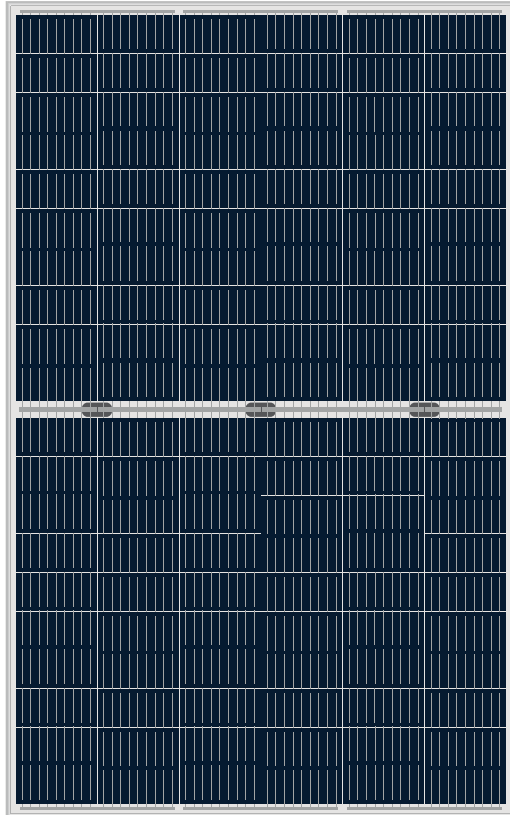








AB-60MHC-BFGG

340W
345W
350W

120 (6x20) 158.75x79.375mm 9BB

Monocrystalline bifacial PV modules



-  At least 30-year product life, more than 10%- 30% additional power gain comparing with conventional module
-  N-type solar cell has no LID naturally, can increase power generation
-  High power and 1500V system voltage, saving BOS cost
-  Wide spectral response, higher power output even under low-light settings like smog or cloudy days
-  Higher power generation under working conditions, thanks to passivating contact cell technology
-  BIPV, vertical installation, snowfield, high-humid area, windy and dusty area

WHY ABI-SOLAR?

- ① Manufacturing and assembly of PV modules are performed only on East Asian enterprises from **Bloomberg Tier 1** list.
- ① PV modules are tested and demonstrate high reliability in various climatic conditions and in a wide range of insolation.
- ① High efficiency and return on investment guaranteed around the world.
- ① Modules certified by global testing facilities: IEC61215, IEC61730, CE, ROHS, TÜV.
- ① Manufacturing with international quality standards and environment management system: ISO9001 and ISO14001.
- ① Maximum power and performance at minimal price ensure fast return of investments.
- ① Compatibility with both on-grid and off-grid PV systems guaranteed.

15

YEAR

Production guarantee

25

YEAR WARRANTY

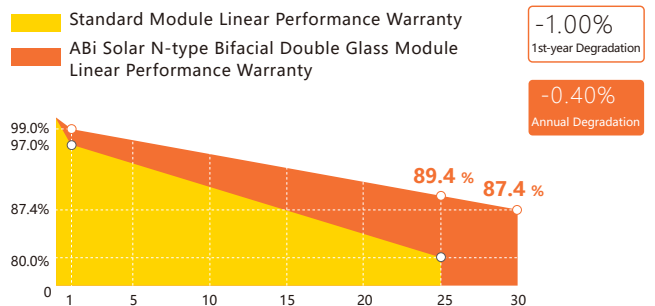
89,4% Power Output

30

YEAR WARRANTY

87,4% Power Output

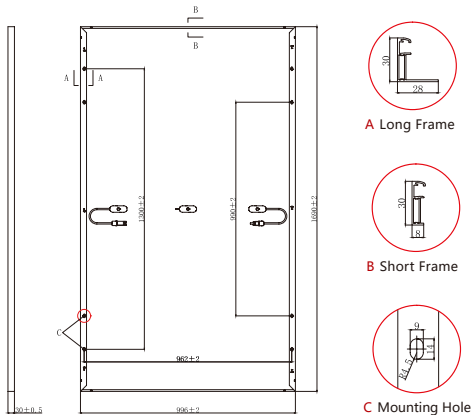
INDUSTRY-LEADING WARRANTY BASED ON NOMINAL POWER



15 years production guarantee

25 year 89,4% power output, 30 years - 87,4%

MECHANICAL DRAWINGS



MECHANICAL SPECIFICATIONS

Cell type	158.75mm×79.375mm
Number of cells	120pcs(12×10)
Dimensions (A×B×C)	1690mm×996mm×30mm
Weight	26 Kg
Front Glass*	2.0mm/2.0mm
Frame	Double Glass
Junction Box	IP67 (3 diodes)
Connector	MC4 Compatible
Output cables*	4.0mm ² , 300mm

*Heat strengthened glass

*Cable length can be customized

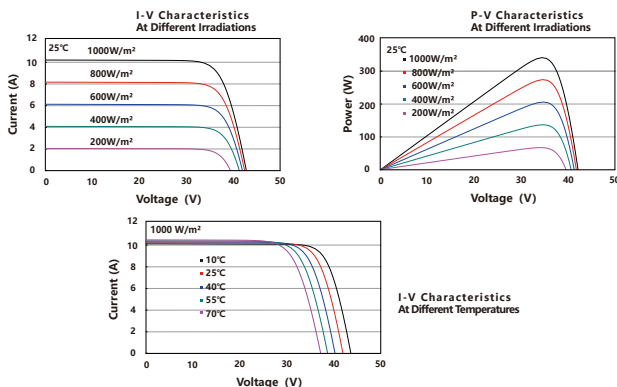
ELECTRICAL CHARACTERISTICS (STC)

	AB340-60MHC-BFGG	AB345-60MHC-BFGG	AB350-60MHC-BFGG
Maximum Power (Pmax)	340W	345W	350W
Shot Circuit Current (Isc)	10.17A	10.22A	10.28A
Open Circuit Voltage (Voc)	41.8V	42.1V	42.4V
Maximum Power Current (Impp)	9.70A	9.75A	9.81A
Maximum Power Voltage (Vmpp)	35.1V	35.4V	35.7V
Module Efficiency	20.20%	20.50%	20.79%
Power Tolerance	0~+5W		

NOCT

	AB340-60MHC-BFGG	AB345-60MHC-BFGG	AB350-60MHC-BFGG
Maximum Power (Pmax)	257W	261W	265W
Shot Circuit Current (Isc)	8.20A	8.24A	8.29A
Open Circuit Voltage (Voc)	40.0V	40.2V	40.5V
Maximum Power Current (Impp)	7.82A	7.86A	7.91A
Maximum Power Voltage (Vmpp)	32.9V	33.2V	33.5V
Maximum System Voltage	1500V (IEC)		
Maximum Series Fuse	20A		

STC irradiance: 1000 W/m² module temperature: +25 °C AM=1,5



NOCT irradiance: 800 W/m² module temperature: +20 °C AM=1

TEMPERATURE CHARACTERISTICS

Nominal Operating Cell Temperature (NOCT)	42±2°C
Temperature Coefficient of Pmax	-0.320%/°C
Temperature Coefficient of Voc	-0.260%/°C
Temperature Coefficient of Isc	+0.046%/°C
Operating Temperature	-40°C ... +85°C

PACKING CONFIGURATION

	158.75×79.375mm		
Container	20'GP	40'GP	40HQ
Pieces per Pallet	35		
Pallets per Container	6	13	26
Pieces per Container	210	445	910

* 27+2 pieces per pallet is the special package which only suits for container transport

QUALIFICATIONS AND CERTIFICATES



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