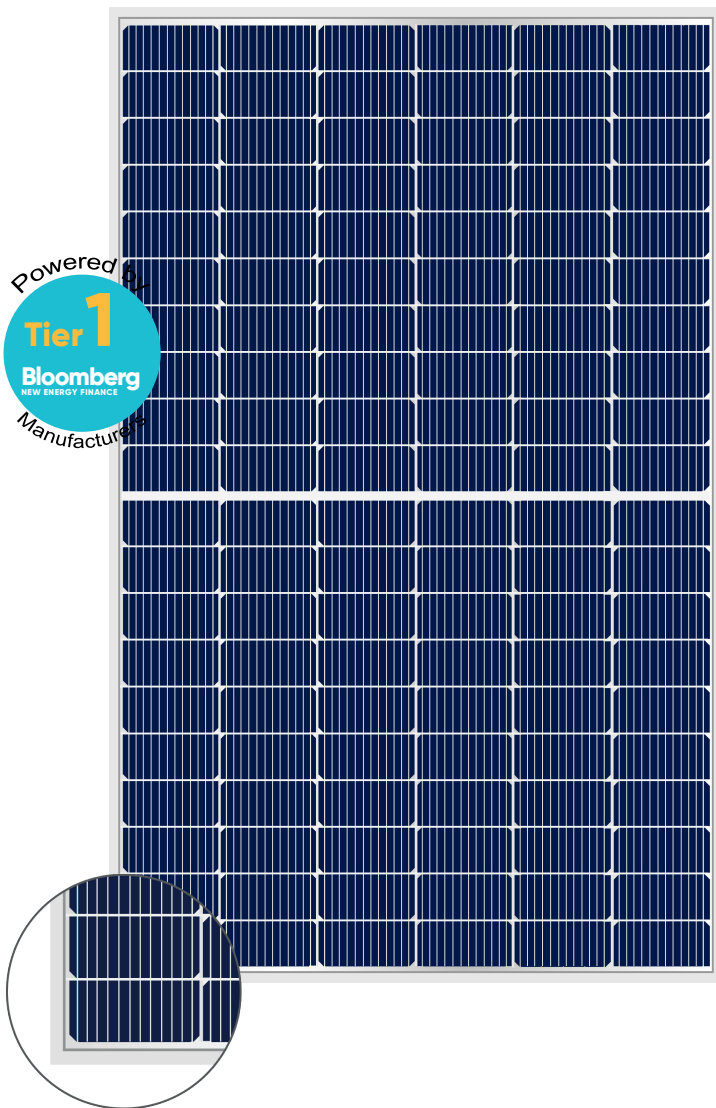


AB-60MHC(MB)

315 W
320 W
325 W
330 W

120 (6x20) 156.75x78.375mm

Monocrystalline multi-busbar module



Half cut cell technology can reduce the internal power loss and improve component overall power. Excellent heat dissipation avoids hot spot production.

MBB The optimized number and width of main gate lines, Maximize the light receiving area of components and Reduce component power consumption.

Designed for high voltage systems of up to 1500 VDC, increasing the string length of solar systems and saving on BoS costs.

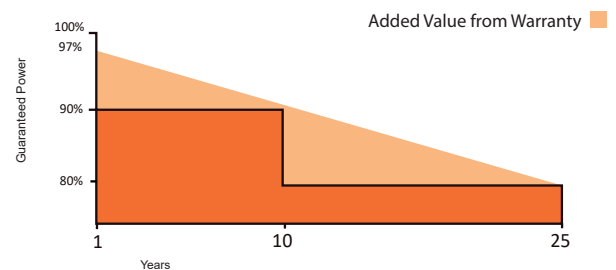
All the modules are sorted and packaged by amperage, reducing mismatch losses and maximizing system output.

Entire module certified to with stand extreme wind (2400 Pa) and snow loads (5400 Pa).

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.

INDUSTRY-LEADING WARRANTY BASED ON NOMINAL POWER



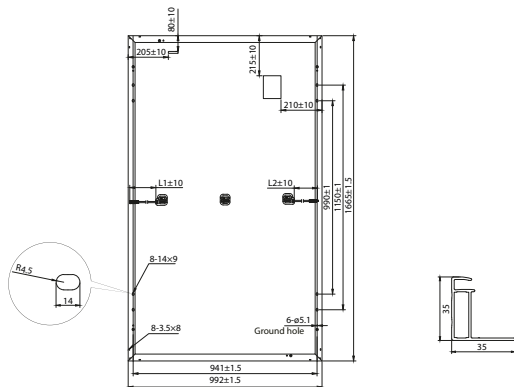
10

YEAR
Product Warranty

25

YEAR WARRANTY
on Power Output

MECHANICAL DRAWINGS



MECHANICAL SPECIFICATIONS

Cell type	Monocrystalline 156.75 x 78.375mm
Number of cells	120 (6×20)
Dimensions (A×B×C)	1665 x 992 x 35 mm
Weight	19,0 kg
Front Glass	High transmission tempered glass
Frame	Anodized aluminium alloy
Junction Box	IP67
Connector	MC4/MC4 compatible
Output cables	4.0mm ² (IEC)
Maximum snow load (IEC 61215)	5400 Pa

ELECTRICAL CHARACTERISTICS (STC)

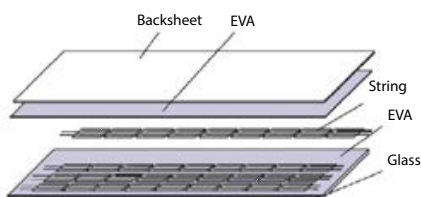
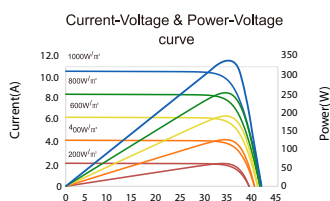
	AB315-60MHC(MB)	AB320-60MHC(MB)	AB325-60MHC(MB)	AB330-60MHC(MB)
Maximum Power (Pmax)	315W	320W	325W	330W
Short Circuit Current (Isc)	10.23A	10.34A	10.45A	10.56A
Open Circuit Voltage (Voc)	40.4V	40.6V	40.8V	41V
Maximum Power Current (Impp)	9.42A	9.51A	9.6A	9.69A
Maximum Power Voltage (Vmpp)	33.5V	33.7V	33.9V	34.1V
Module Efficiency	19.07%	19.37%	19.68%	19.98%
Power Tolerance	0~+5W			
Maximum System Voltage	1000V / 1500V DC(IEC)			
Maximum Series Fuse	15A			

NOCT

Maximum Power (Pmax)	233W	237W	241W	244W
Short Circuit Current (Isc)	8.26A	8.35A	8.44A	8.53A
Open Circuit Voltage (Voc)	38.2V	38.4V	38.6V	38.7V
Maximum Power Current (Impp)	7.35A	7.45A	7.53A	7.58A
Maximum Power Voltage (Vmpp)	31.7V	31.8V	32V	32.2V

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

NOCT irradiance: 800 W/m² module temperature: +20 °C AM=1,5



PACKING CONFIGURATION

	1665 x 992 x 35 mm
Container	40'HQ
Pieces per Pallet	30
Pieces per Container	840

TEMPERATURE CHARACTERISTICS

Nominal Operating Cell Temperature (NOCT)	45 °C ±2 °C
Temperature Coefficient of Pmax	-0.39% °C
Temperature Coefficient of Voc	-0.29% °C
Temperature Coefficient of Isc	0.049% °C
Operating Temperature	-40 C ... +85 C

QUALIFICATIONS AND CERTIFICATES



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