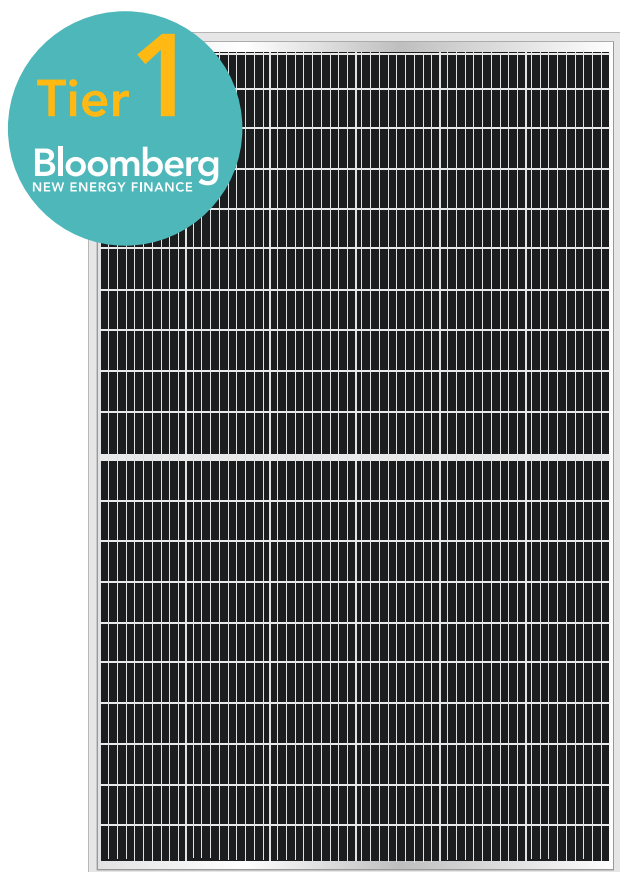








# AB370-60MHC

120 (6×20) 166×83mm 9BB

365W  
370W  
375W

## Monocrystalline PV modu



-  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.

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**YEAR**  
Manufacturing Warranty

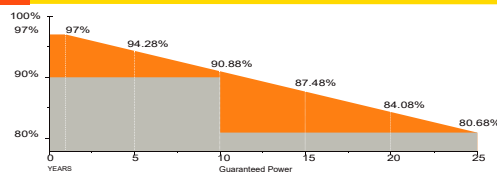
12

**YEAR WARRANTY**  
90% Power Output

25

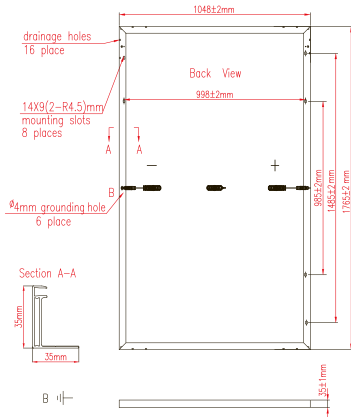
**YEAR WARRANTY**  
80% Power Output

### INDUSTRY-LEADING WARRANTY BASED ON NOMINAL POWER



Based of nominal power (P<sub>nom</sub>)  
25-year transferrable power output warranty:  
95% - 5 years; 90% - 12 years; 85% - 18 years; 80% - 25 years  
12-year material and workmanship

## MECHANICAL DRAWINGS



## MECHANICAL SPECIFICATIONS

Cell type	Mono crystalline
Number of cell	120 (6×20), 166×83 mm
Dimensions (A×B×C)	1765mm×1048mm×35mm
Weight	20,2 kg
Front glass	3.2 mm tempered glass, low iron
Frame	Anodized aluminium alloy
Junction Box	IP68
Connector	MC4 Compatible
Output cables	length: 400 mm, 4.0 mm <sup>2</sup>
Maximum snow load (IEC 61215)	5400Pa

## ELECTRICAL CHARACTERISTICS (STC)

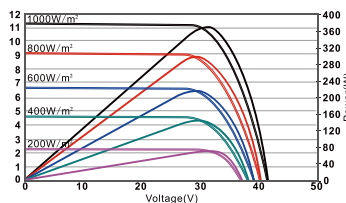
	AB365-60MHC	AB370-60MHC	AB375-60MHC
Maximum Power (Pmax)	365W	370W	375W
Shot Circuit Current (Isc)	11.30A	11.41A	11.53A
Open Circuit Voltage (Voc)	41.3V	41.4V	41.5V
Maximum Power Current (Imp)	10.74A	10.85A	10.96A
Maximum Power Voltage (Vmpp)	34.0V	34.1V	34.2V
Module Efficiency	19.73%	20.00%	20.27%
Power Tolerance		(0~+5 W)	

## NOCT

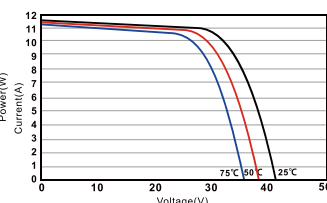
	AB365-60MHC	AB370-60MHC	AB375-60MHC
Maximum Power (Pmax)	271W	275W	279W
Shot Circuit Current (Isc)	9.18A	9.27A	9.36A
Open Circuit Voltage (Voc)	38.16V	38.25V	38.35V
Maximum Power Current (Imp)	8.45A	8.53A	8.62A
Maximum Power Voltage (Vmpp)	32.16V	32.25V	32.35V
Maximum System Voltage	VDC 1500V		
Maximum Series Fuse	20A		

STC irradiance: 1000 W/m<sup>2</sup> module temperature: +25 °C AM=1.5 NOCT irradiance: 800 W/m<sup>2</sup> module temperature: +20 °C AM=1.5

I-V characteristics at different irradiances



I-V characteristics at different temperature



## TEMPERATURE CHARACTERISTICS

Nominal Operating Cell Temperature (NOCT)	43±2 °C
Temperature Coefficient of Pmax	-0,360 %/°C
Temperature Coefficient of Voc	-0,330 %/°C
Temperature Coefficient of Isc	0.049 %/°C
Operating Temperature	-40~+85 °C

## PACKING CONFIGURATION

Size of packing	1805×1120×2500 mm
Pieces per Pallet	60+2
Pallets per Container	13
Pieces per Container	806

## QUALIFICATIONS AND CERTIFICATES



Specifications are subject to change without prior notification