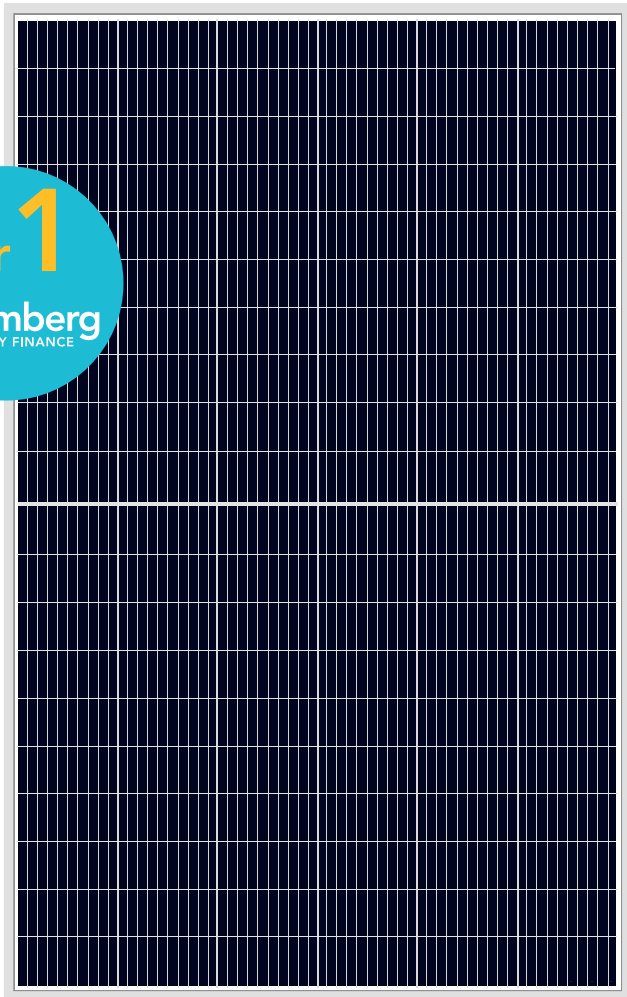


# AB-60MHC

365 W  
370 W  
375 W

120 (6×20) 166×83mm 9BB



Higher output, efficiency & ROI due to reduced "Cell To Module" loss.



6% Less Internal Power Loss due to shorter ribbon length.



50% Higher Yield due to better shading response



Twice Less Mismatch Loss due to double internal strings of cells.

## WHY ABI-SOLAR?

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

12

YEAR

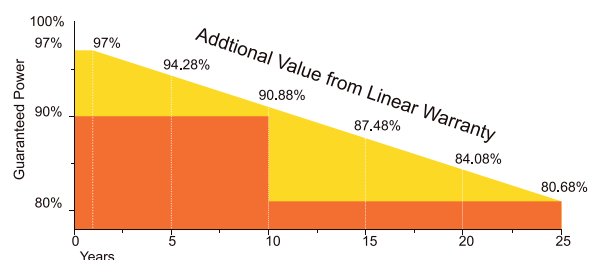
Manufacturing Warranty

25

YEAR WARRANTY

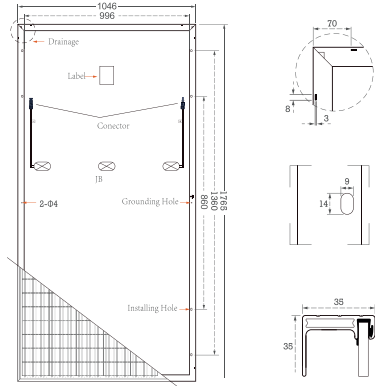
80% Power Output

## INDUSTRY-LEADING WARRANTY BASED ON NOMINAL POWER



# AB-60MHC

## MECHANICAL DRAWINGS



## MECHANICAL SPECIFICATIONS

Cell type	PERC Monocrystalline 166*83mm
Dimensions (AxBxC)	1765x1046x35mm
Weight	20.0 kg
Frame	Anodized Aluminium Alloy
Junction	IP67
Connector	MC4 Compatible
Output cables	4.0 mm <sup>2</sup> , wire length: 1000mm or Customized
Maximum snow load (IEC 61215)	5400Pa

## ELECTRICAL CHARACTERISTICS (STC)

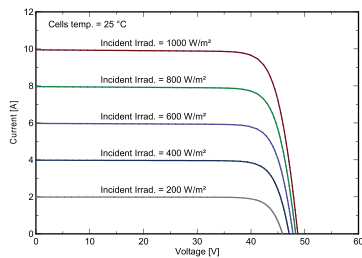
	AB365-60MHC	AB370-60MHC	AB375-60MHC
Maximum Power (Pmax)	365W	370W	375W
Shot Circuit Current (Isc)	11.10A	11.21A	11.32A
Open Circuit Voltage (Voc)	42.70V	42.90V	43.10V
Maximum Power Current (Impp)	10.65A	10.73A	10.83A
Maximum Power Voltage (Vmpp)	34.33V	34.49V	34.67V
Module Efficiency	19.74%	20.01%	20.28%
Power Tolerance		0~+5W	
Maximum System Voltage		1000V/1500 VDC(IEC)	
Maximum Series Fuse		15A	

## NOCT

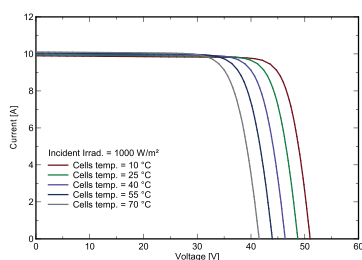
	AB365-60MHC	AB370-60MHC	AB375-60MHC
Maximum Power (Pmax)	276W	280W	284W
Shot Circuit Current (Isc)	8.93A	9.02A	9.11A
Open Circuit Voltage (Voc)	40.50V	40.69V	40.88V
Maximum Power Current (Impp)	8.51A	8.60A	8.67A
Maximum Power Voltage (Vmpp)	32.43V	32.59V	32.76V

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

Current-Voltage Curve under different irradiance



Current-Voltage Curve under different working temperatures



## TEMPERATURE CHARACTERISTICS

Nominal Operating Cell Temperature (NOCT)	45±2 °C
Temperature Coefficient of Pmax	-0,34 %/°C
Temperature Coefficient of Voc	-0,27 %/°C
Temperature Coefficient of Isc	0.04% /°C
Operating Temperature	-40~+85 °C

## PACKING CONFIGURATION

	1765x1046x35mm
Container	40 HQ
Pieces per Pallet	31
Pallets per Container	26
Pieces per Container	832

## QUALIFICATIONS AND CERTIFICATES



Specifications are subject to change without prior notification

PL06

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