

# AB-60MHC

360 W 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 standarts and environment management system: ISO9001 and ISO14001.
- Maximum power and performance at minimal price ensure fast return of investments.
- Compatability with both on-grid and off-grid PV systems garateed.

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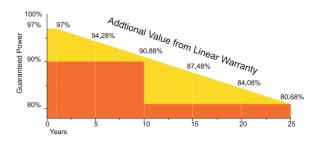
YEAR

Manufacturing Warranty

**25** 

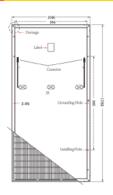
YEAR WARRANTY 80% Power Output

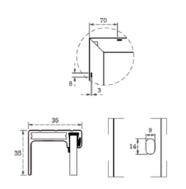
#### INDUSTRY-LEADING WARANTY BASED ON NOMINAL POWER



## AB-60MHC

#### **MECHANICAL DRAWINGS**





#### **MECHANICAL SPECIFICATIONS**

Cell type	Mono crystalline
Dimensions (A×B×C)	1768×1046×35 mm
Weight	20.0 kg
Frame	Anodized aluminium alloy
Junction	IP68, 3 diodes
Connector	MC4 Compatible
Output cables	4.0 mm²,wire length: 1000mm or Customized
Maximum snow load (IEC 61215)	5400 Pa

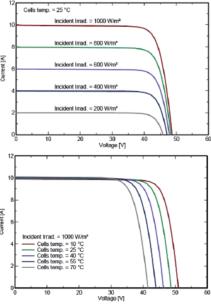
#### **ELECTRICAL CHARACTERISTICS (STC)**

	AB360-60MHC	AB365-60MHC	AB370-60MHC	AB375-60MHC
Maximum Power (Pmax)	360W	365W	370W	375W
Shot Circuit Current (Isc)	11.21A	11.29A	11.35A	11.42A
Open Circuit Voltage (Voc)	40.14V	40.41V	40.75V	41.05V
Maximum Power Current (Impp)	10.72A	10.80A	10.87A	10.95A
Maximum Power Voltage (Vmpp)	33.59V	33.81V	34.03V	34.25V
Module Efficiency	19.5%	19.7%	20.0%	20.3%
Power Tolerance		0~+5W		
Maximum System Voltage		1000V/1500 VDC(IEC)		
Maximum Series Fuse		20A		

#### **NOCT**

	AB360-60MHC	AB365-60MHC	AB370-60MHC	AB375-60MHC
Maximum Power (Pmax)	268.1W	271.8W	275.5W	279.2W
Shot Circuit Current (Isc)	9.10A	9.17A	9.22A	9.27A
Open Circuit Voltage (Voc)	37.09V	37.34V	37.65V	37.93V
Maximum Power Current (Impp)	8.43A	8.49A	8.55A	8.61A
Maximum Power Voltage (Vmpp)	31.77V	31.98V	32.19V	32.39V
irradiance: 1000 W/m <sup>2</sup> module temperature	NOCT irradiance: 800	W/m <sup>2</sup> module tempe	rature: +20 °C AM=1.5	

Cells temp. = 25 °C



#### **Operating Temperature**

**PACKING CONFIGURATION** 

Temperature Coefficient of Pmax

Temperature Coefficient of Voc

Temperature Coefficient of Isc

TEMPERATURE CHARACTERISTICS

Nominal Operating Cell Temperature (NOCT)

	1768x1046x35 mm
Container	40 HQ
Pieces per Pallet	31
Pallets per Container	26
Pieces per Container	832

#### **QUALIFICATIONS AND CERTIFICATES**















45±2°C

-0,34 %/°C

-0,27 %/°C

0.04% /°C

-40~+85 °C

