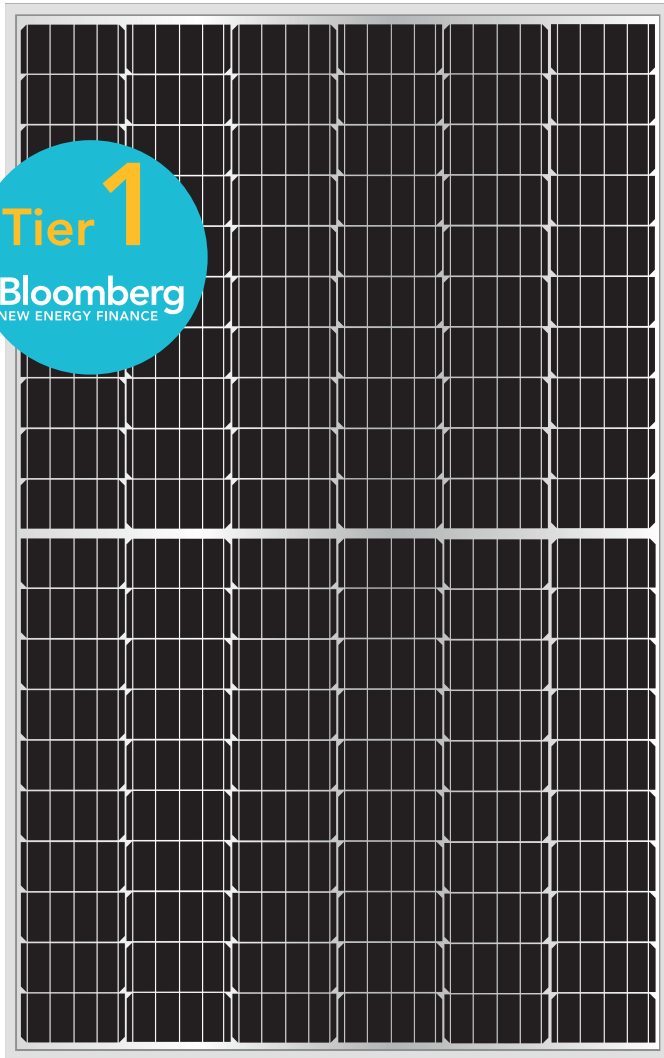


AB-60MHC

310 W
315 W
320 W

120 (6x20) 156.75x78.375mm 5BB



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.

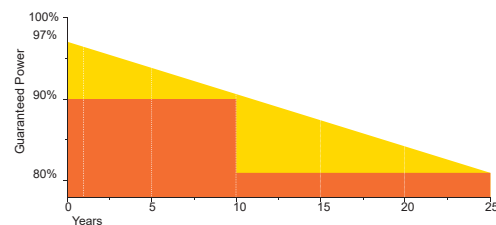
10

YEAR
Manufacturing Warranty

25

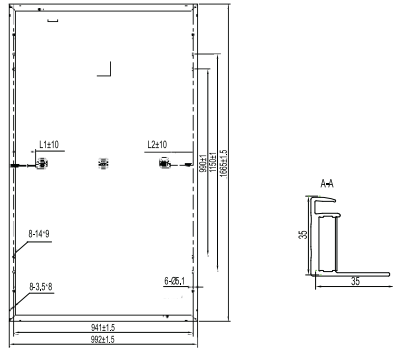
YEAR WARRANTY
80% Power Output

INDUSTRY-LEADING WARRANTY BASED ON NOMINAL POWER



AB-60MHC

MECHANICAL DRAWINGS



MECHANICAL SPECIFICATIONS

Cell type	Mono crystalline
Dimensions (AxBxC)	1665x992x35 mm
Weight	19.0 kg
Frame	Anodized aluminium alloy
Junction	IP67
Connector	MC4 Compatible
Output cables	4.0 mm ² (IEC)
Maximum snow load (IEC 61215)	5400 Pa

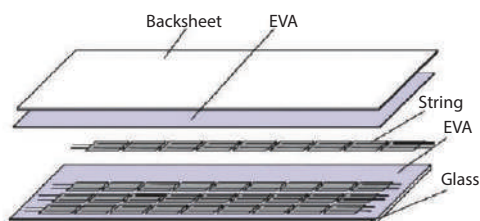
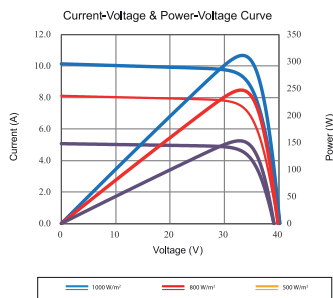
ELECTRICAL CHARACTERISTICS (STC)

	AB310-60MHC	AB315-60MHC	AB320-60MHC
Maximum Power (Pmax)	310W	315W	320W
Shot Circuit Current (Isc)	10,12A	10,23A	10,34A
Open Circuit Voltage (Voc)	40,2V	40,4V	40,6V
Maximum Power Current (Impp)	9,32A	9,42A	9,51A
Maximum Power Voltage (Vmpp)	33,3V	33,5V	33,7V
Module Efficiency	18,8%	19,1%	19,4%
Power Tolerance	0~+5W		
Maximum System Voltage	1000V/1500V DC(IEC)		
Maximum Series Fuse	15A		

NOCT

	AB310-60MHC	AB315-60MHC	AB320-60MHC
Maximum Power (Pmax)	230W	233W	237W
Shot Circuit Current (Isc)	8,17A	8,26A	8,35A
Open Circuit Voltage (Voc)	38,0V	38,2V	38,4V
Maximum Power Current (Impp)	7,30A	7,35A	7,45A
Maximum Power Voltage (Vmpp)	31,5V	31,7V	31,8V

STC irradiance: 1000 W/m² module temperature: +25 °C AM=1.5 NOCT irradiance: 800 W/m² module temperature: +20 °C AM=1.5



TEMPERATURE CHARACTERISTICS

Nominal Operating Cell Temperature (NOCT)	44±2 °C
Temperature Coefficient of Pmax	-0,390 %/°C
Temperature Coefficient of Voc	-0,290 %/°C
Temperature Coefficient of Isc	0.049% /°C
Operating Temperature	-40~+85 °C

PACKING CONFIGURATION

	1665x992x35 mm
Container	40'HQ
Pieces per Pallet	30
Pallets per Container	28
Pieces per Container	840

QUALIFICATIONS AND CERTIFICATES



Specifications are subject to change without prior notification

PL05

www.abi-solar.com