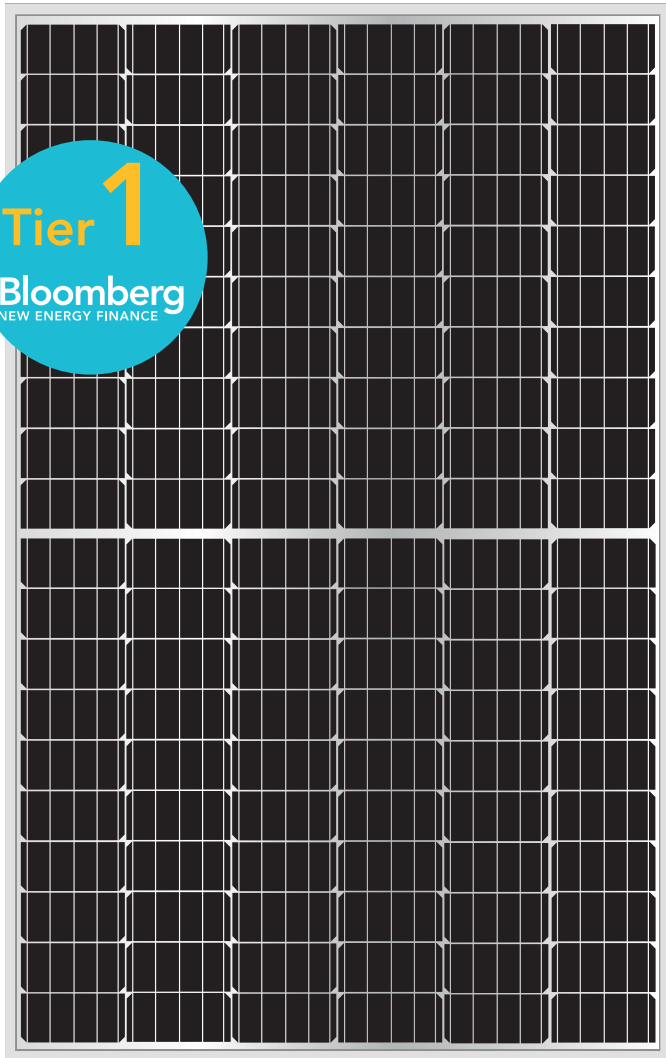


AB-60MHC

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

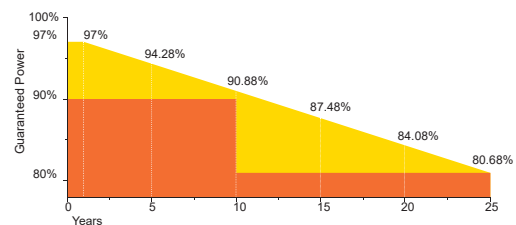
10

YEAR WARRANTY
90% Power Output

25

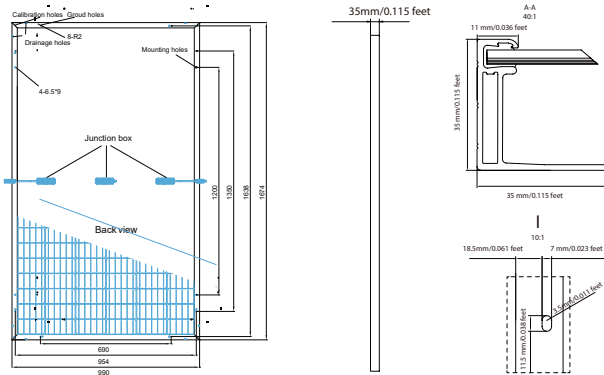
YEAR WARRANTY
80% Power Output

INDUSTRY-LEADING WARRANTY BASED ON NOMINAL POWER



AB-60MHC

MECHANICAL DRAWINGS



MECHANICAL SPECIFICATIONS

Cell type	Mono crystalline
Dimensions (AxBxC)	1674x990x35 mm
Weight	18.8 kg
Frame	Anodized aluminium alloy
Junction	IP67
Connector	MC4 Compatible
Output cables	4.0 mm ² , cable length: 1000 mm
Maximum snow load (IEC 61215)	5400 Pa

ELECTRICAL CHARACTERISTICS (STC)

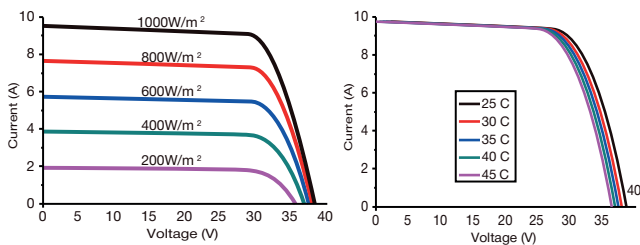
	AB310-60MHC	AB315-60MHC	AB320-60MHC
Maximum Power (Pmax)	310	315	320
Shot Circuit Current (Isc)	9,77	9,86	9,94
Open Circuit Voltage (Voc)	40,35	40,58	40,80
Maximum Power Current (Impp)	9,30	9,38	9,46
Maximum Power Voltage (Vmpp)	33,34	33,59	33,83
Module Efficiency	18,7	19,0	19,3
Power Tolerance	(0, +3%)		
Maximum System Voltage	1000/1500 (TÜV)		
Maximum Series Fuse	15A		

NOCT

	AB310-60MHC	AB315-60MHC	AB320-60MHC
Maximum Power (Pmax)	229	233	237
Shot Circuit Current (Isc)	7,99	8,04	8,12
Open Circuit Voltage (Voc)	36,96	37,28	37,45
Maximum Power Current (Impp)	6,91	6,97	7,04
Maximum Power Voltage (Vmpp)	33,15	33,43	33,67

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

I-V Curve (SRP-300-BMB)



TEMPERATURE CHARACTERISTICS

Nominal Operating Cell Temperature (NOCT)	46±2 °C
Temperature Coefficient of Pmax	-0,390 %/°C
Temperature Coefficient of Voc	-0,295 %/°C
Temperature Coefficient of Isc	0.039% /°C
Operating Temperature	-40~+85 °C

PACKING CONFIGURATION

Size of packing	1714x1120x1140 mm
Container	40'HC
Pieces per Pallet	30
Pallets per Container	26
Pieces per Container	780

QUALIFICATIONS AND CERTIFICATES



Specifications are subject to change without prior notification

PL03

www.abi-solar.com