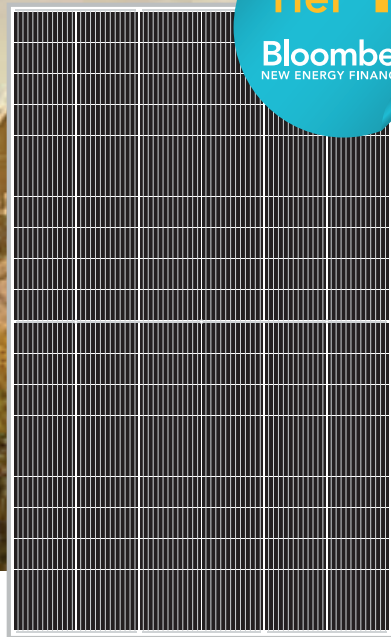


AB60MHC BF

590-605 W

120 (6x20) 2172×1303×35 mm



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.

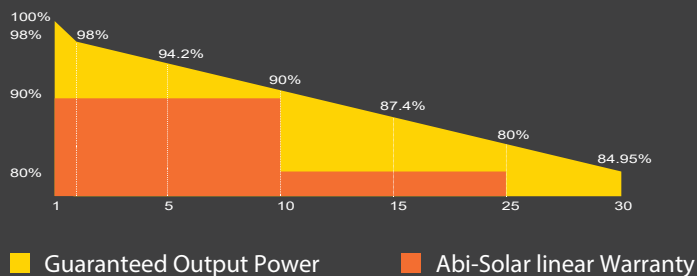
Maximum power and performance at minimal price ensure fast return of investments.

Modules certified by global testing facilities: IEC61215, IEC61730, CE, ROHS, TUV.

INDUSTRY-LEADING WARRANTY BASED ON NOMINAL POWER

12 Year
Manufacturing
Warranty

30 YEAR WARRANTY
84.95% Power Output



Power tolerance (0~+3%), to ensure the high of power output.



Special PV Module Insurances by world leading insurance company guarantees the benefit of PV investors and PV module users.



Half-cell the technology allows to reduce cell resistance and increase efficiency.



MBB technology reduces the distance between the bus and the current-carrying conductors, which helps reduce losses.



Higher power output in low light and cloudy weather.



Resistance to PID degradation is ensured due to the quality control of the production process and raw materials.



Resistance to harsh conditions such as high temperature and high humidity.



Guaranteed reliability and high quality guarantees that go beyond certified requirements.



Up to 25% extra power from the rear, depending on the albedo.

IEC61215, IEC61730, IEC61701, IEC62716, UL61730

ISO9001, ISO1400, ISO45001



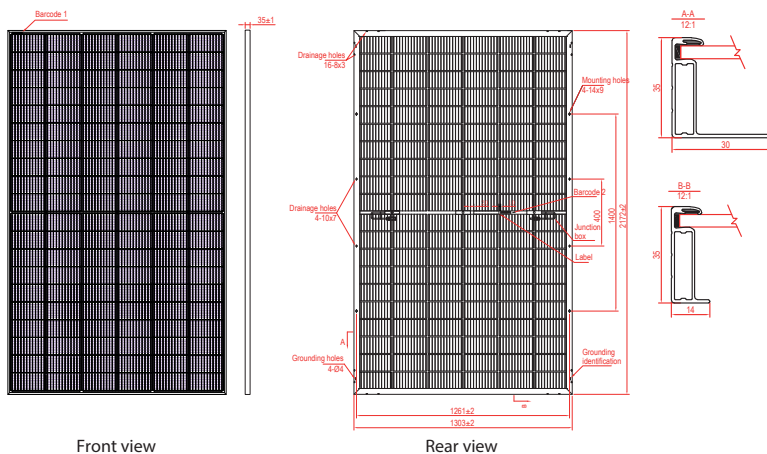
www.abi-solar.com



MECHANICAL SPECIFICATIONS

PL10

Cell type	Perc Mono crystalline
Number of cell	120 (6×20) 2172×1303×35
Dimensions (A×B×C)	mm
Weight	35 kg
Font glass	2.0 mm+2.0mm
Frame	Anodized aluminium alloy
Junction Box	IP68, 3 diodes
Connector	MC4 Compatible
Output cables	4 mm ² , 350 mm
Container	40HQ
Pieces per Pallet	31
Pieces per Container	558



ELECTRICAL CHARACTERISTICS (STC)

	AB590 60MHC BF	AB595 60MHC BF	AB600 60MHC BF	AB605 60MHC BF
Maximum Power (Pmax)	590 W	595 W	600 W	605 W
Shot Circuit Current (Isc)	18.25 A	18.29 A	18.33 A	18.37 A
Open Circuit Voltage (Voc) Maximum	41.10 V	41.30 V	41.50 V	41.70 V
Power Current (Impp)	17.31 A	17.35 A	17.40 A	17.44 A
Maximum Power Voltage (Vmpp)	34.10 V	34.30 V	34.50 V	34.70 V
Module Efficiency	20.85 %	21.02 %	21.20 %	21.38 %
Power Tolerance	(0~+3%)			
Maximum System Voltage	1500 V DC			
Maximum snow load	5400 Pa			
Maximum Series Fuse	35 A			

NOCT

	AB590 60MHC BF	AB595 60MHC BF	AB600 60MHC BF	AB605 60MHC BF
Maximum Power (Pmax)	443.60 W	447.20 W	451.10 W	454.80 W
Shot Circuit Current (Isc)	14.73 A	14.76 A	14.80 A	14.83 A
Open Circuit Voltage (Voc)	38.60 V	38.80 V	39.00 V	39.20 V
Maximum Power Current (Impp)	13.87 A	13.90 A	13.94 A	13.98 A
Maximum Power Voltage (Vmpp)	32.00 V	32.20 V	32.40 V	32.50 V

STC Irradiance: 1000 W/m² module temperature: +25°C AM=1.5

NOCT Irradiance: : 800 W/m² module temperature: +20°C AM=1

ELECTRICAL CHARACTERISTICS WITH DIFFERENT POWER RANGES 25%

	AB590 60MHC BF	AB595 60MHC BF	AB600 60MHC BF	AB605 60MHC BF
Maximum Power (Pmax)	738 W	744 W	750 W	756 W
Shot Circuit Current (Isc)	22.74 A	22.79 A	22.83 A	22.89 A
Open Circuit Voltage (Voc)	41.20 V	41.40 V	41.60 V	40.80 V
Maximum Power Current (Impp)	21.56 A	21.62 A	21.68 A	21.73 A
Maximum Power Voltage (Vmpp)	34.20 V	34.40 V	34.60 V	34.80 V

TEMPERATURE CHARACTERISTICS

Nominal Operating Cell Temperature (NOCT)	43±2 °C
Temperature Coefficient of Pmax	-0.34 %/°C
Temperature Coefficient of Voc	-0.29 %/°C
Temperature Coefficient of Isc	0.05 %/°C
Operating Temperature	-40~+85 °C

