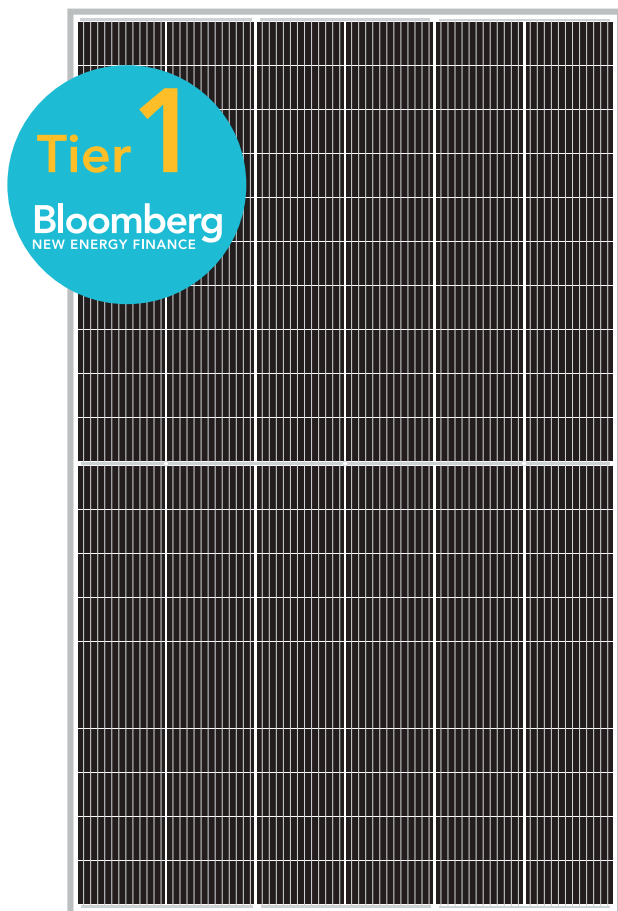


AB-72MHC

120 (6x20) 2172mmx1303mm

590W
595W
600W
605W

PERC Monocrystalline PV modules



Power tolerance (0~+4.99%) to ensure the high reliability of power output



Modules certified by TÜV to with stand high level of wind loads (2400 Pa) and snow loads (5400 Pa)



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



Junction box and bypass diods guarantee the modules free of overheating and "hot spot effect"

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, IEC61701, IEC62716, UL61730, CE, ROHS, TÜV.
- Manufacturing with international quality standards and environment management system: ISO9001, ISO14001 and ISO45001.
- Maximum power and performance at minimal price ensure fast return of investments.
- Compatability with both on-grid and off-grid PV systems guaranteed.

12

YEAR

Manufacturing Warranty

12

YEAR WARRANTY

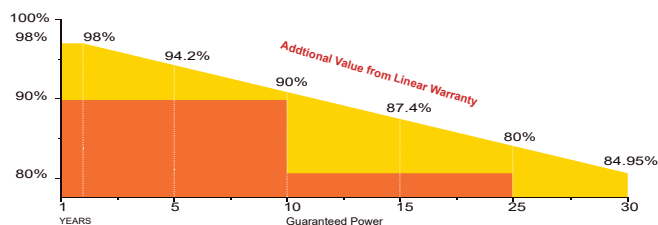
Power Output

30

YEAR WARRANTY

84.95% Power Output

INDUSTRY-LEADING WARRANTY BASED ON NOMINAL POWER



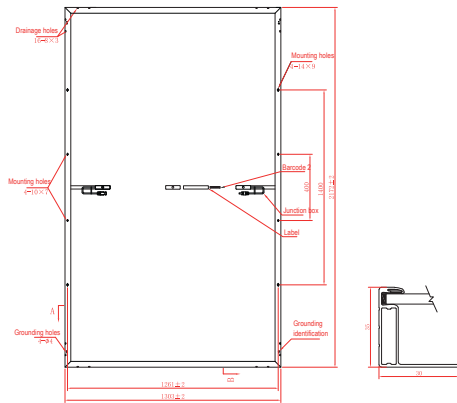
Based of nominal power (Pnom)

30-year transferrable power output warranty:

90% - 10 years; 80% - 25 years; 84,95% - 30 years

12-year material and workmanship

MECHANICAL DRAWINGS



MECHANICAL SPECIFICATIONS

Cell type	Perc Mono crystalline
Number of cell	120 (6×20)
Dimensions (A×B×C)	2172×1303×35 mm
Weight	35 kg
Front glass	2.0 mm+2.0mm, High Transmission, AR Coated Heat Strengthened Glass
Frame	Anodized aluminium alloy
Junction Box	IP68, 3 diodes
Connector	MC4 Compatible
Output cables	4 mm ² , 350 mm
Maximum snow load	5400Pa

ELECTRICAL CHARACTERISTICS (STC)

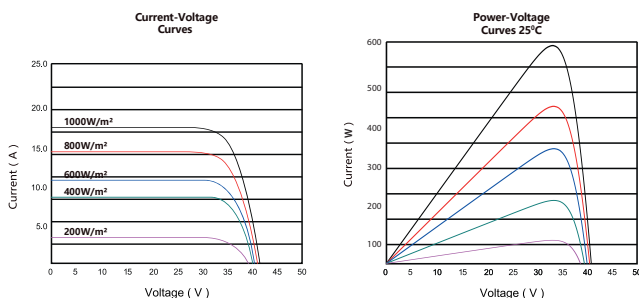
	AB590-72MHC BF	AB595-72MHC BF	AB600-72MHC BF	AB605-72MHC BF
Maximum Power (Pmax)	590W	595W	600W	605W
Short Circuit Current (Isc)	18.25A	18.29A	18.33A	18.37A
Open Circuit Voltage (Voc)	41.10V	41.30V	41.50V	41.70V
Maximum Power Current (Impp)	17.31A	17.35A	17.40A	17.44A
Maximum Power Voltage (Vmpp)	34.10V	34.30V	34.50V	34.70V
Module Efficiency	20.85%	21.02%	21.20%	21.38%
Power Tolerance	(0~+3W)			
Maximum System Voltage	1500 V DC			
Maximum Series Fuse	35A			

NOCT

	AB590-72MHC BF	AB595-72MHC BF	AB600-72MHC BF	AB605-72MHC BF
Maximum Power (Pmax)	443.60W	447.20W	451.10W	454.80W
Short Circuit Current (Isc)	14.73A	14.76A	14.80A	14.83A
Open Circuit Voltage (Voc)	38.60V	38.80V	39.00V	39.20V
Maximum Power Current (Impp)	13.87A	13.90A	13.94A	13.98A
Maximum Power Voltage (Vmpp)	32.00V	32.20V	32.40V	32.50V

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

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



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

PACKING CONFIGURATION

	2172×1303×35 mm
Container	40HQ
Pieces per Pallet	31
Pieces per Container	558

QUALIFICATIONS AND CERTIFICATES

