



ABiSOLAR

Get energy from clean sources

AB72MHC-BF

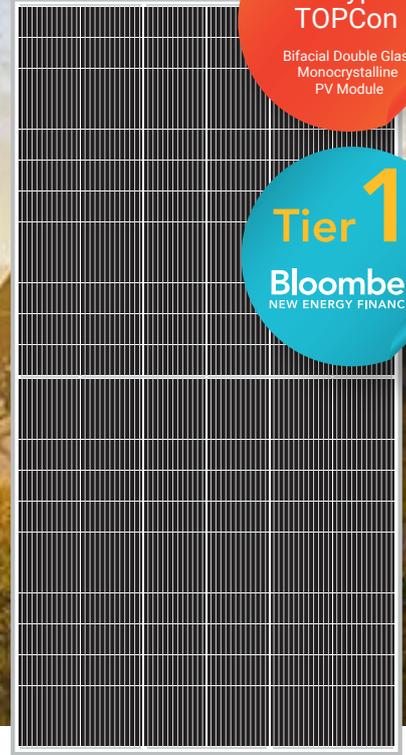
560-575W

144 (6x24) 2279x1134x30 mm

16BB
N-Type
TOPCon

Bifacial Double Glass
Monocrystalline
PV Module

Tier 1
Bloomberg
NEW ENERGY FINANCE



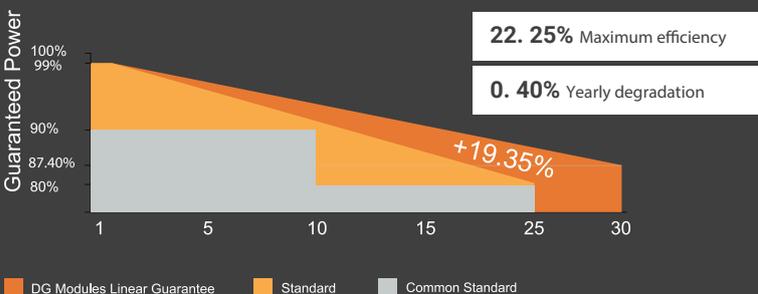
WHY ABI SOLAR?

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. Compatibility with both on-grid and off-grid PV systems guaranteed.

INDUSTRY-LEADING WARRANTY

12 year
Product warranty

30 year
Output guarantee



Up to 25% additional power gain from back side depending on albedo



SMBB technology reduce the distance between busbars and finger grid line which is benefit to power increase



Half-cut cell technology New circuit design, lower internal current, lower Rs loss



Resistance to power attenuation passed TÜV Rheinland system voltage endurance test



Special circuit design with much lower hot spot temperature



Resistance to salt-spray corrosion (IEC61701, certified to TÜV Rheinland test standard)



Fire safety (Class C, certified to TÜV Rheinland and Rheinland test standards)



100% triple EL test enabling remarkable reduction of hidden crack rate of modules

IEC61215, IEC61730, IEC61701, IEC62716, UL61730
ISO9001, ISO1400, OHSAS 18001

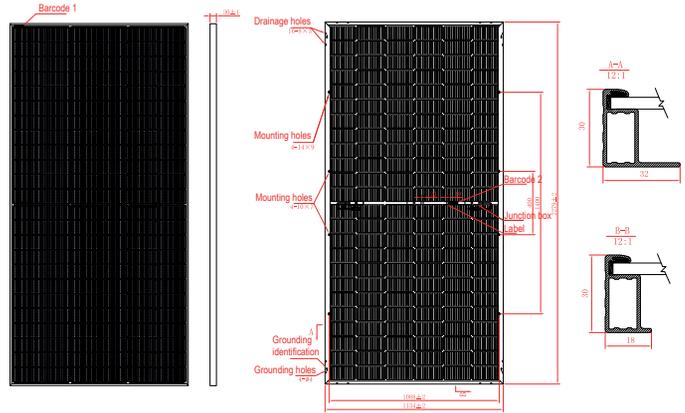


www.abi-solar.com



MECHANICAL SPECIFICATIONS

Cell type	N-type Monocrystalline 144 (6×24)
Dimensions (A×B×C)	2279×1134×30 mm
Weight	31.5±1.0 kg
Font glass	2.0 mm+2.0mm, High Transmission
Frame	Anodized aluminum alloy
Junction Box	IP68, 3 diodes
Connector	MC4 Compatible
Output cables	4.0 mm ² , wire length: 300 mm
Container	40HQ
Pieces per Pallet	36
Pallets/container	18
Quantity/container	720



ELECTRICAL CHARACTERISTICS (STC)

	AB560 72MHC-BF	A565 72MHC-BF	AB570 72MHC-BF	A575 72MHC-BF
Maximum Power (Pmax)	560W	565W	570W	575W
Shot Circuit Current (Isc)	14.11A	14.17A	14.23A	14.29A
Open Circuit Voltage (Voc)	50.70V	50.90V	51.10V	51.30V
Maximum Power Current (Impp)	13.34A	13.39A	13.45A	13.50A
Maximum Power Voltage (Vmpp)	42.00V	42.20V	42.40V	42.60V
Module Efficiency	21.67%	21.86%	22.06%	22.25%
Power Tolerance	(0~+5W)			
Maximum System Voltage	1500 V DC			
Maximum load	5400 Pa			
Maximum Series Fuse	30A			

NOCT

	AB560 72MHC-BF	AB565 72MHC-BF	AB570 72MHC-BF	AB575 72MHC-BF
Maximum Power (Pmax)	422.80W	426.40W	430.30W	433.90W
Shot Circuit Current (Isc)	11.39A	11.44A	11.48A	11.53A
Open Circuit Voltage (Voc)	47.80V	48.00V	48.20V	48.40V
Maximum Power Current (Impp)	10.70A	10.74A	10.79A	10.83A
Maximum Power Voltage (Vmpp)	39.50V	39.70V	39.90V	40.00V

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

NOCT irradiance: 800 W/m² module temperature: +20 AM=1.5

TEMPERATURE CHARACTERISTICS

Nominal Operating Cell Temperature (NOCT)	44±2 °C
Temperature coefficient of Pmax	-0.30±0.03%/°C
Temperature coefficient of Voc	-0.25 %/°C
Temperature coefficient of Isc	0.046 %/°C
Operating Temperature	-40~+85 °C

TEMPERATURE CHARACTERISTICS

