ABiSOLAR

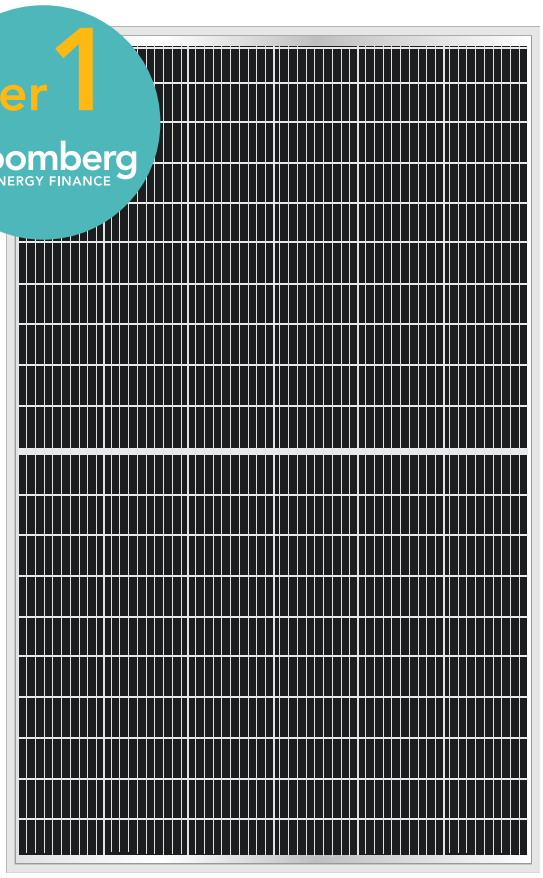
AB370-72MHC

365W
370W
375W

120 (6×20) 166×83mm 9BB

Monocrystalline PV modules

Tier 1 Bloomberg NEW ENERGY FINANCE



Half cell design
The HC design 120-cell brings lower cell connection loss and lower thermal coefficients at high operation temperatures

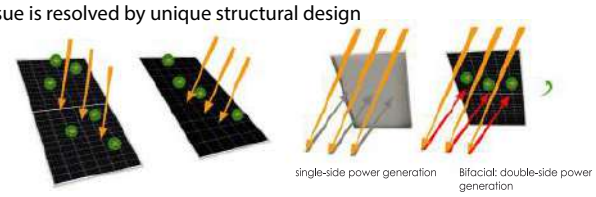
High Efficiency
Leading PERC technology achieves higher module efficiency up to frontside 19.03% and 22.84% with backside 20% power boost

Excellent Low-light Performance
Advanced solar cell surface texturing technology allows for excellent performance in low-light environments.

High Reliability
0.5% annual degradation. Strict in-house testing in Lab which CNAS & VDE certified to ensure the 30year linear power warranty

Highly Strengthened Design
Framed Double Glass design. Certified to withstand: 5400Pa snow load and 2400Pa wind load

PID Resistant
PID issue is resolved by unique structural design



Up to 20% power gain depending on albedo and PV system design

WHY ABI-SOLAR?

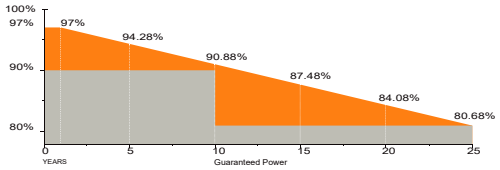
- Manufacturing and assembly of PV modules are performed only on East Asian enterprises from **Bloomberg Tier 1** list.
- PV modules are tested and demonstrate high reliability in various climatic conditions and in a wide range of insolation.
- High efficiency and return on investment guaranteed around the world.
- Modules certified by global testing facilities: IEC61215, IEC61730, CE, ROHS, TÜV.
- Manufacturing with international quality standarts and environment management system: ISO9001 and ISO14001.
- Maximum power and performance at minimal price ensure fast return of investments.
- Compatability with both on-grid and off-grid PV systems garateed.

12 YEAR
Manufacturing Warranty

12 YEAR WARRANTY
90% Power Output

25 YEAR WARRANTY
80% Power Output

INDUSTRY-LEADING WARANTY BASED ON NOMINAL POWER



Based of nominal power (Pnom)
25-year transferrable power output warranty:
95% - 5 years; 90% - 12 years; 85% - 18 years; 80% - 25 years
12-year material and workmanship

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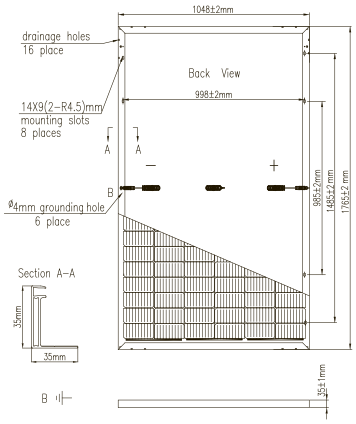
MECHANICAL DRAWINGS



MECHANICAL SPECIFICATIONS

Cell type	Mono crystalline
Number of cell	120 (2*(6*10)), 166×83 mm
Dimensions (A×B×C)	1765×1048×35mm
Weight	20,2 kg
Front glass	3.2 mm tempered glass, low iron
Frame	Anodized aluminium alloy
Junction Box	IP68
Connector	MC4 Compatible
Output cables	length: 400 mm, 4.0 mm^2
Maximum snow load (IEC 61215)	5400Pa

ELECTRICAL CHARACTERISTICS (STC)

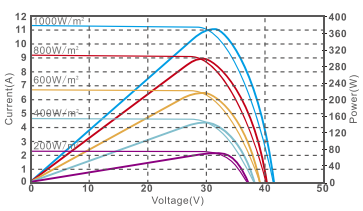
	AB365-72MHC	AB370-72MHC	AB375-72MHC
Maximum Power (Pmax)	365W	370W	375W
Shot Circuit Current (Isc)	11.30A	11.41A	11.53A
Open Circuit Voltage (Voc)	41.3V	41.4V	41.5V
Maximum Power Current (Impp)	10.74A	10.85A	10.96A
Maximum Power Voltage (Vmpp)	34.0V	34.1V	34.2V
Module Efficiency	19.73%	20.00%	20.27%
Power Tolerance	(0~+5 W)		
Maximum System Voltage	VDC 1500V		
Maximum Series Fuse	20A		

NOCT

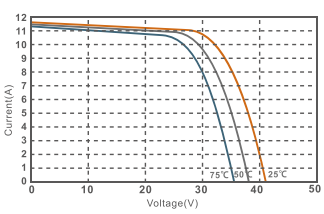
	AB365-72MHC	AB370-72MHC	AB375-72MHC
Maximum Power (Pmax)	271W	275W	279W
Shot Circuit Current (Isc)	9.18A	9.27A	9.36A
Open Circuit Voltage (Voc)	38.16V	38.25V	38.35V
Maximum Power Current (Impp)	8.45A	8.53A	8.62A
Maximum Power Voltage (Vmpp)	32.16V	32.25V	32.35V

STC irradiance: 1000 W/m^2 module temperature: +25 °C AM=1.5 **NOCT** irradiance: 800 W/m^2 module temperature: +20 °C AM=1.5

I-V characteristics at different irradiations



I-V characteristics at different temperature



TEMPERATURE CHARACTERISTICS

Nominal Operating Cell Temperature (NOCT)	43±2 °C
Temperature Coefficient of Pmax	-0,360 %/°C
Temperature Coefficient of Voc	-0,330 %/°C
Temperature Coefficient of Isc	0.049 % /°C
Operating Temperature	-40~+85 °C

PACKING CONFIGURATION

Size of packing	1805x 1120x 2500 mm
Pieces per Pallet	60+2
Pallets per Container	13
Pieces per Container	806

QUALIFICATIONS AND CERTIFICATES

Specifications are subject to change without prior notification