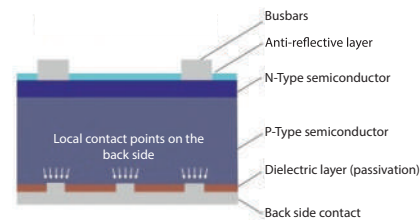
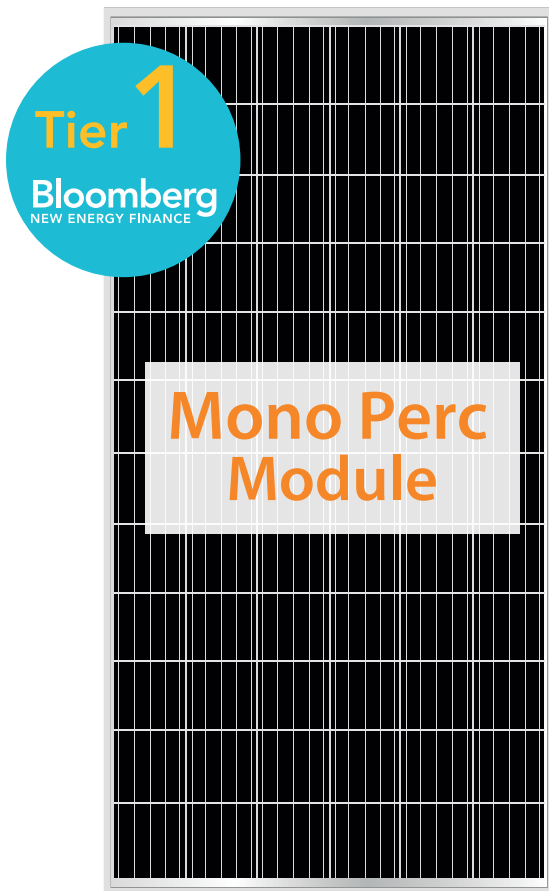


AB-72M

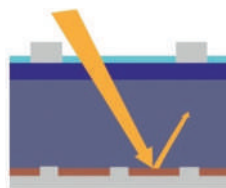
375W
380W
385W

72 (6×12) 158.75×158.75mm

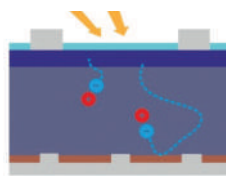
Monocrystalline PV modules



**Technology
PERC**



Increasing the absorption capacity of the photocell

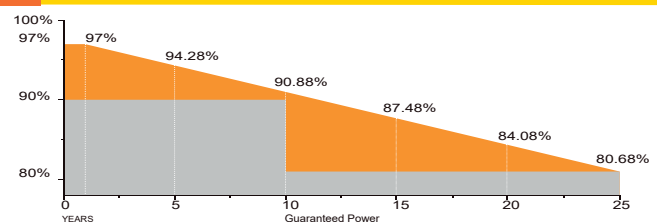


Reflection of electrons in the p-n transition zone

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.

INDUSTRY-LEADING WARRANTY BASED ON NOMINAL POWER



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

10

YEAR

Manufacturing Warranty

12

YEAR WARRANTY

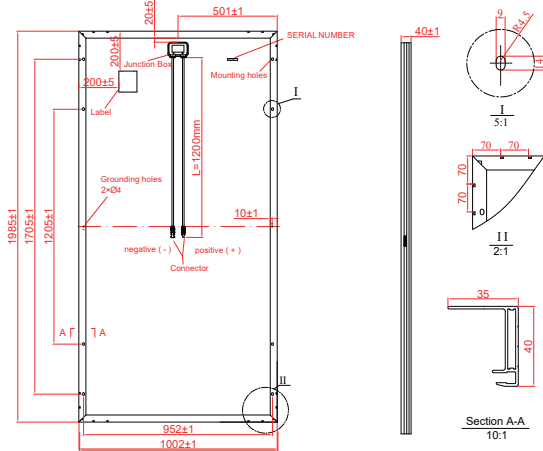
90% Power Output

25

YEAR WARRANTY

80% Power Output

MECHANICAL DRAWINGS



MECHANICAL SPECIFICATIONS

Cell type	Perc Mono crystalline
Number of cell	72 (6x12) 158,75 x 158,75 mm
Dimensions (AxBxC)	1985 x 1002 x 40mm
Weight	22.5 kg
Front glass	3.2 mm AR coating tempered glass, low iron
Frame	Anodized aluminium alloy
Junction Box	IP68, 3 diodes
Connector	MC4 Compatible
Output cables	4.0 mm ² , cable length:1200mm
Maximum snow load (IEC 61215)	5400Pa

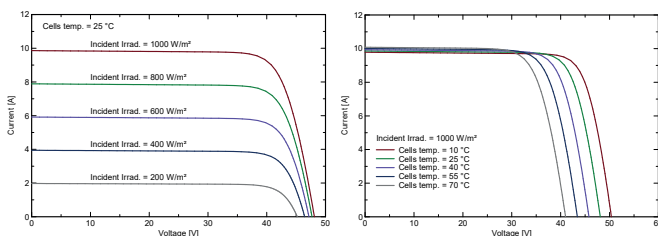
ELECTRICAL CHARACTERISTICS (STC)

	AB375 -72M	AB380-72M	AB385-72M
Maximum Power (Pmax)	375	380	385
Shot Circuit Current (Isc)	9.96	10.02	10.07
Open Circuit Voltage (Voc)	48.0	48.3	48.6
Maximum Power Current (Impp)	9.60	9.65	9.70
Maximum Power Voltage (Vmpp)	39.1	39.4	39.7
Module Efficiency	18.85%	19.11%	19.36%
Power Tolerance	(0~+4.99W)		
Maximum System Voltage	1000VDC/1500VDC		
Maximum Series Fuse	20A		

NOCT

	AB375-72M	AB380-72M	AB385-72M
Maximum Power (Pmax)	278W	282W	286W
Shot Circuit Current (Isc)	8.05A	8.11A	8.18A
Open Circuit Voltage (Voc)	44.3V	44.6V	44.8V
Maximum Power Current (Impp)	7.60A	7.65A	7.69A
Maximum Power Voltage (Vmpp)	36.6V	36.9V	37.2V

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



TEMPERATURE CHARACTERISTICS

Nominal Operating Cell Temperature (NOCT)	45±2 °C
Temperature Coefficient of Pmax	-0,38 %/°C
Temperature Coefficient of Voc	-0,28 %/°C
Temperature Coefficient of Isc	0.05 % /°C
Operating Temperature	-40~+85 °C

PACKING CONFIGURATION

	1985x 1002x 40 mm		
Container	20'GP	40'GP	40'HQ
Pieces per Pallet	27	27	27+2*
Pallets per Container	10	22	22
Pieces per Container	270	594	638

* 27+2 pieces per pallet is the special package which only suits for container transport.

QUALIFICATIONS AND CERTIFICATES



Specifications are subject to change without prior notification

PL02

www.abi-solar.com