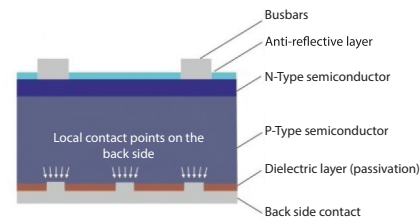
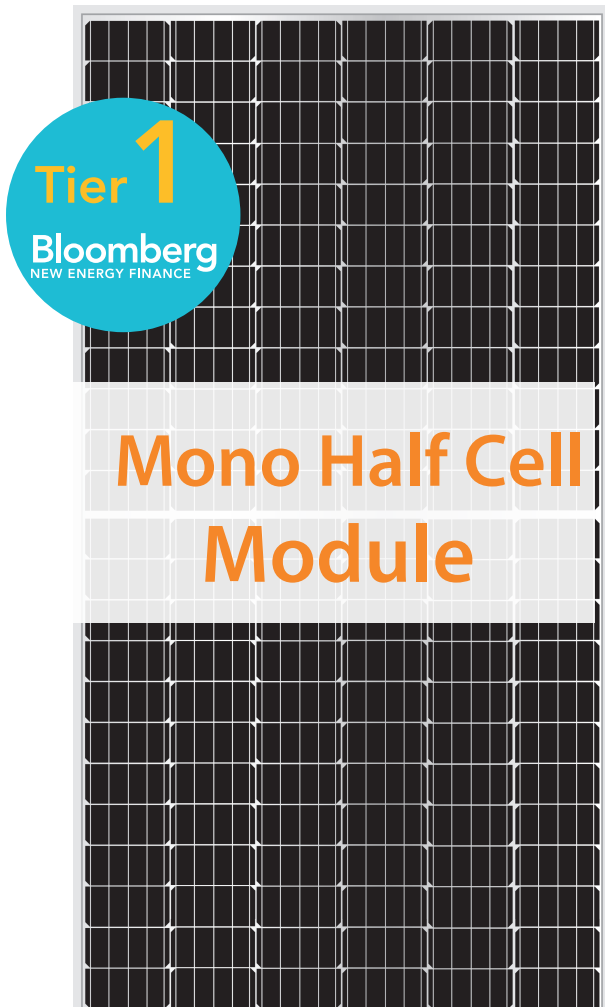


AB-72MHC

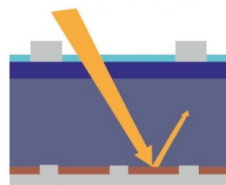
375W
380W
385W

144 (6x24) 156.75x78.375mm

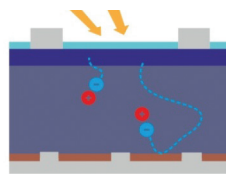
Monocrystalline PV modules



**Technology
PERC**



Increasing the absorption capacity of the photocell

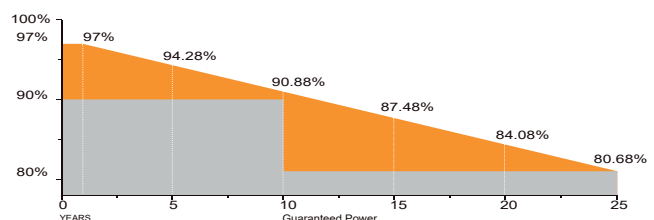


Reflection of electrons in the p-n transition zone

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



10

YEAR

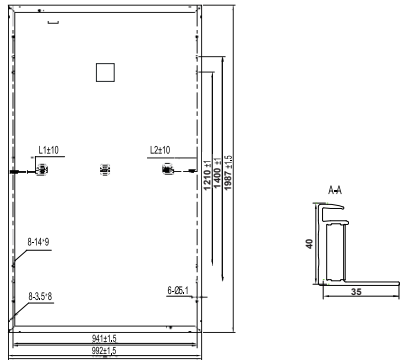
Manufacturing Warranty

25

YEAR WARRANTY

80% Power Output

MECHANICAL DRAWINGS



MECHANICAL SPECIFICATIONS

Cell type	Mono crystalline
Number of cell	144 (6×24)
Dimensions (A×B× C)	1987×992×40 mm
Weight	23.0 kg
Font glass	High transmission tempered glass
Frame	Anodized aluminium alloy
Junction Box	IP67
Connector	MC4/ MC4 Compatible
Output cables	4.0 mm ² (IEC)
Maximum snow load (IEC 61215)	5400Pa

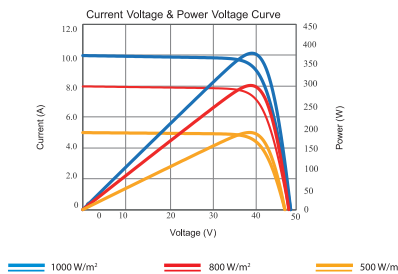
ELECTRICAL CHARACTERISTICS (STC)

	AB375-72MHC	AB380-72MHC	AB385-72MHC
Maximum Power (Pmax)	375	380	385
Shot Circuit Current (Isc)	10.17	10.26	10.35
Open Circuit Voltage (Voc)	48.4	48.6	48.8
Maximum Power Current (Impp)	9.34	9.42	9.50
Maximum Power Voltage (Vmpp)	40.2	40.4	40.6
Module Efficiency	19.0%	19.3%	19.5%
Power Tolerance	(0~+5W)		
Maximum System Voltage	VDC 1000V		
Maximum Series Fuse	15A		

NOCT

	AB375-72MHC	AB380-72MHC	AB385-72MHC
Maximum Power (Pmax)	278W	281W	285W
Shot Circuit Current (Isc)	8.21A	8.28A	8.36A
Open Circuit Voltage (Voc)	45.7V	45.9V	46.1V
Maximum Power Current (Impp)	7.32A	7.36A	7.42A
Maximum Power Voltage (Vmpp)	38.0V	38.2V	38.4V

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	-0,39 %/°C
Temperature Coefficient of Voc	-0,29 %/°C
Temperature Coefficient of Isc	0.049 % /°C
Operating Temperature	-40~+85 °C

PACKING CONFIGURATION

	1987x 992x 40 mm
Container	40'HQ
Pieces per Pallet	26
Pallets per Container	22
Pieces per Container	572

QUALIFICATIONS AND CERTIFICATES



Specifications are subject to change without prior notification

PL05

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