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Solar Panel Guide Specification Data Sheet

ABi-Solar Inc

AB-72M

AB380 -72M

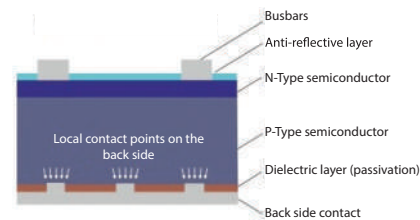
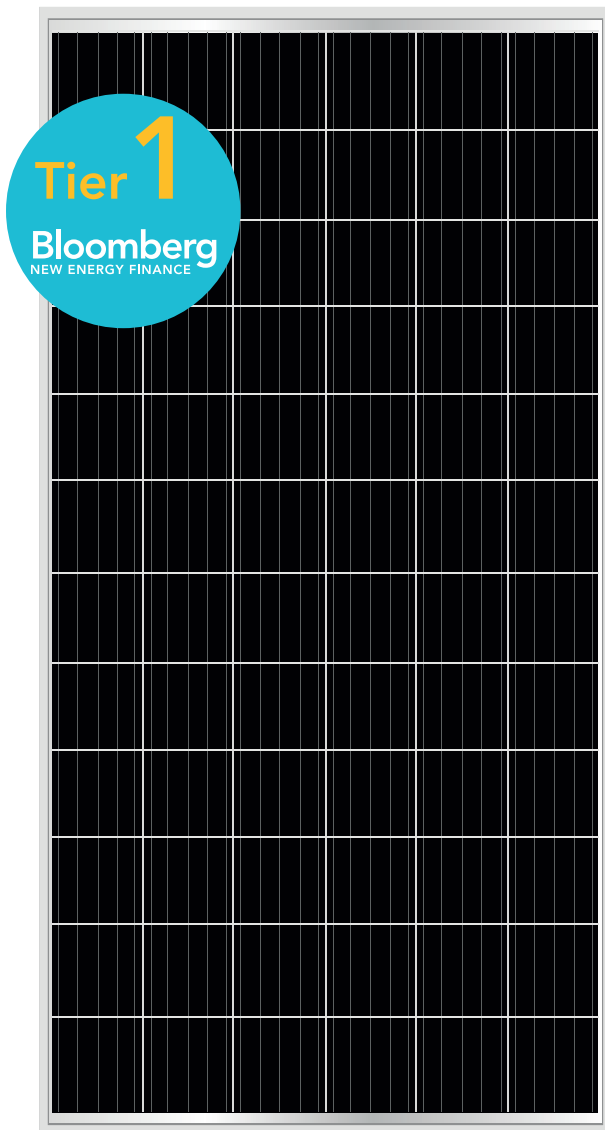
Also available on the web at
EnergyPal.com/abi-solar-inc-solar-panels/ab380-72m

AB-72M

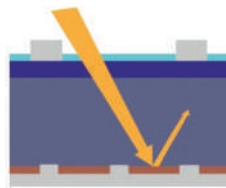
72 (6×12) 158.75×158.75mm

380W
385W
390W
395W

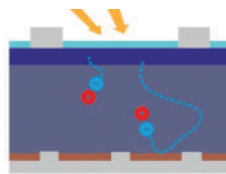
Monocrystalline PV modules



**Technology
PERC**



Increasing the absorption capacity of the photocell

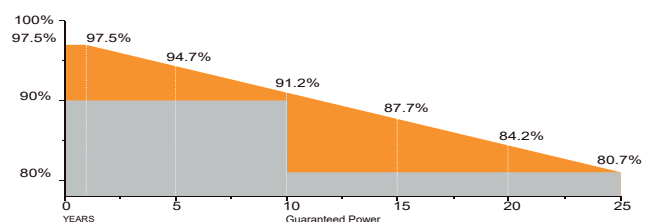


Reflection of electrons in the p-n transition zone

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



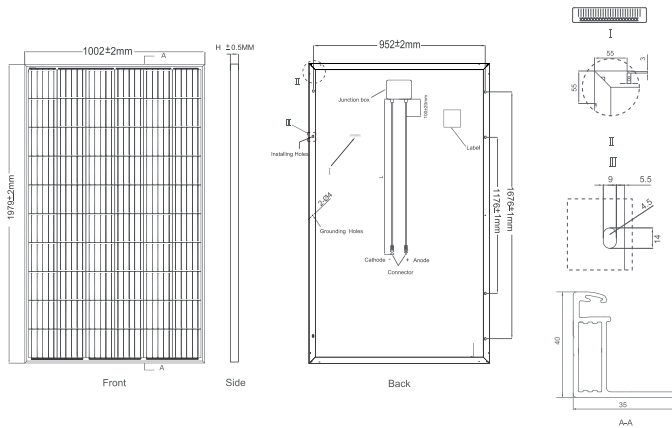
12

YEAR WARRANTY
90% Power Output

25

YEAR WARRANTY
80% Power Output

MECHANICAL DRAWINGS



MECHANICAL SPECIFICATIONS

Cell type	Mono Perc
Number of cell	72 (6x12) 158,75 x 158,75 mm
Dimensions (AxBxC)	1979 x 1002 x 40mm
Weight	22.5 kg
Font glass	3.2 mm AR tempered
Frame	Anodized aluminium alloy
Junction Box	IP67
Connector	MC4 Compatible
Output cables	4.0 mm ² , wire length; 1200mm or Customized
Maximum snow load (IEC 61215)	5400Pa

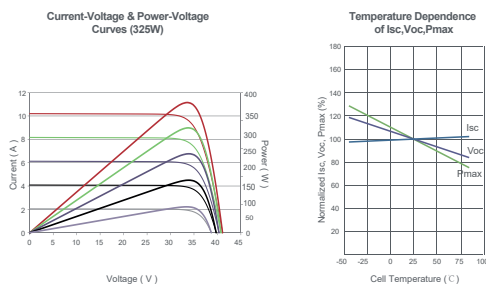
ELECTRICAL CHARACTERISTICS (STC)

	AB380-72M	AB385-72M	AB390-72M	AB395-72M
Maximum Power (Pmax)	380W	385W	390W	395W
Shot Circuit Current (Isc)	9.75A	9.92A	10.12A	10.23A
Open Circuit Voltage (Voc)	48.9V	49.1V	49.3V	49.5V
Maximum Power Current (Imp)	9.39A	9.44A	9.49A	9.55A
Maximum Power Voltage (Vmpp)	40.5V	40.8V	41.1V	41.4V
Module Efficiency	19.16%	19.42%	19.67%	19.92%
Power Tolerance	(0~+3 W)			
Maximum System Voltage	1000VDC/1500VDC			
Maximum Series Fuse	20A			

NOCT

	AB380-72M	AB385-72M	AB390-72M	AB395-72M
Maximum Power (Pmax)	286W	290W	294W	298W
Shot Circuit Current (Isc)	7.88A	7.95A	8.02A	8.09A
Open Circuit Voltage (Voc)	47.5V	47.7V	48.0V	48.2V
Maximum Power Current (Imp)	7.42A	7.48A	7.54A	7.60A
Maximum Power Voltage (Vmpp)	38.6V	38.8V	39.1V	39.3V

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	-0,37 %/°C
Temperature Coefficient of Voc	-0,28 %/°C
Temperature Coefficient of Isc	0.048 %/°C
Operating Temperature	-40~+85 °C

PACKING CONFIGURATION

	1979x 1002x 40 mm	
Container	20GP	40HC
Pieces per Pallet	26	27
Pallets per Container	10	22
Pieces per Container	260	660

QUALIFICATIONS AND CERTIFICATES

