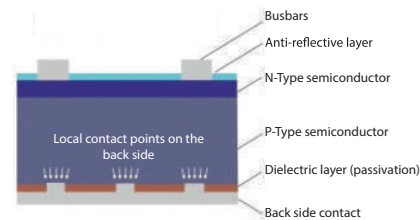
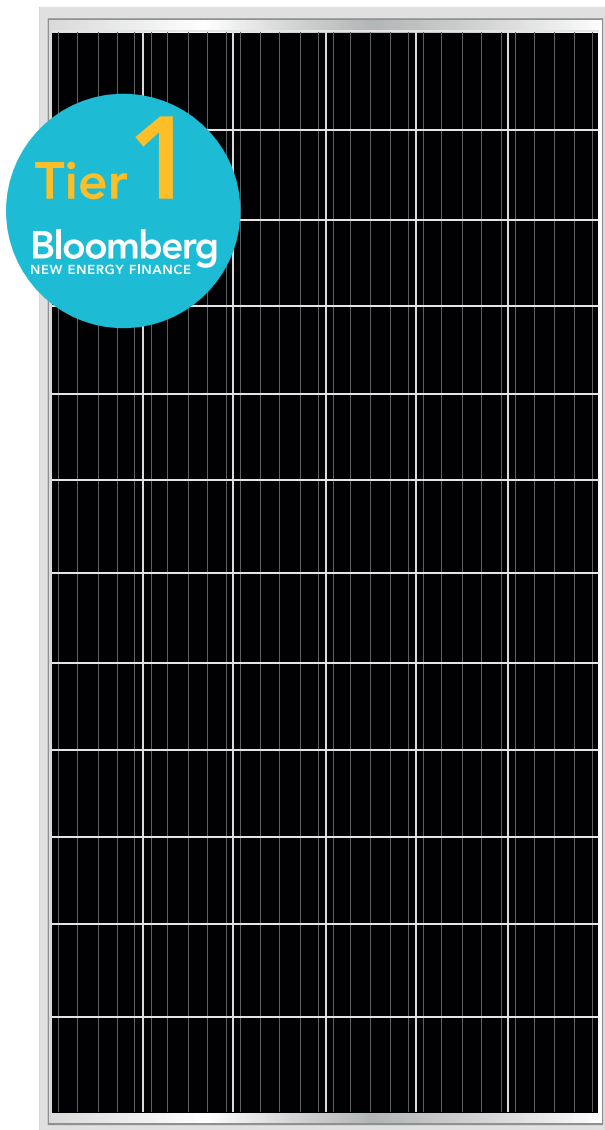


AB-72M

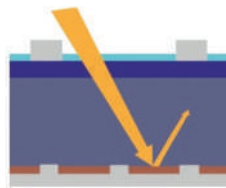
72 (6×12) 158.75×158.75mm

380W
385W
390W
395W

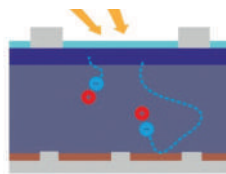
Monocrystalline PV modules



**Technology
PERC**



Increasing the absorption capacity of the photocell

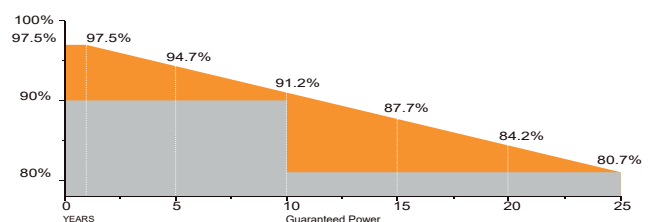


Reflection of electrons in the p-n transition zone

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



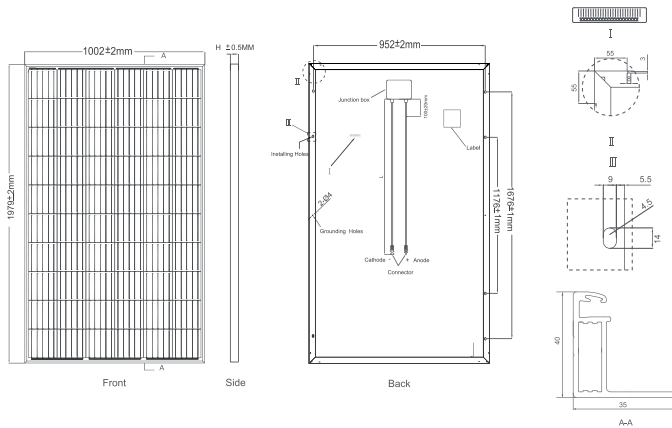
12

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 |
| Front 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 |

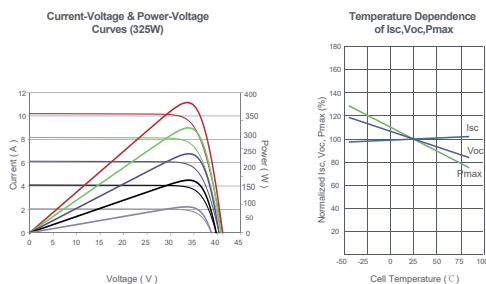
ELECTRICAL CHARACTERISTICS (STC)

| | 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

