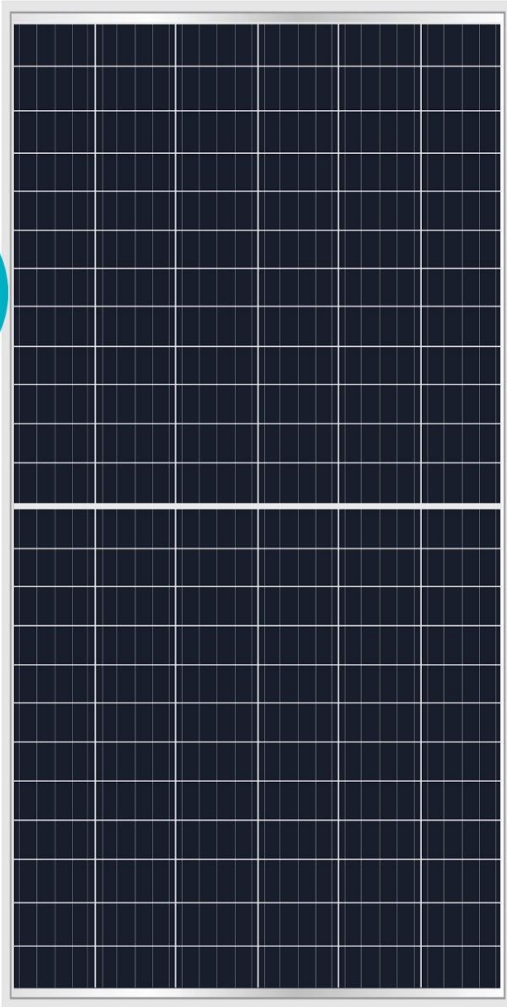
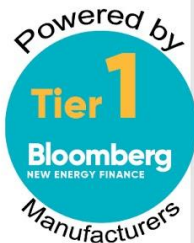


AB-72PHC HV

335W
340W
345W
350W

144 (6x24) 156.75x78.375mm 5BB

Polycrystalline PV modules



Power tolerance (0~+3%) to ensure the high reliability of power output



Modules certified by TÜV to with stand high level of wind loads (2400 Pa) and snow loads (5400 Pa)



Special PV Module Insurances by world leading insurance company guarantees the benefit of PV investors and PV module users



Junction box and bypass diods guarantee the modules free of overheating and "hot spot effect"

WHY ABI-SOLAR?

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

10

YEAR

Manufacturing Warranty

12

YEAR WARRANTY

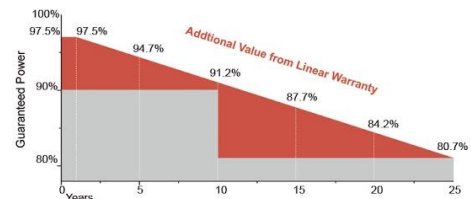
90% Power Output

25

YEAR WARRANTY

80% Power Output

INDUSTRY-LEADING WARRANTY BASED ON NOMINAL POWER



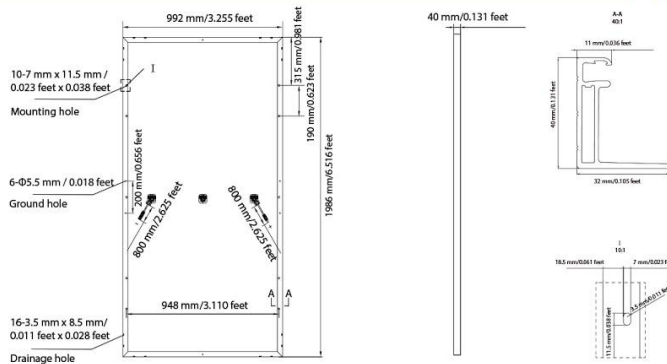
Based of nominal power (P_{nom})

25-year transferrable power output warranty:

94,7% - 5 years; 87,7% - 15 years; 80,7% - 25 years

10-year material and workmanship

MECHANICAL DRAWINGS



MECHANICAL SPECIFICATIONS

| | |
|--------------------|-------------------------------|
| Cell type | Poly Crystalline |
| Number of cells | 144 (6*24) |
| Dimensions (AxBxC) | 1986 x 992 x 40 mm |
| Weight | 22,2 kg |
| Font Glass | 3.2 mm / 0.13 in |
| Frame | Aluminum, silver anodized |
| Junction Box | IP67 |
| Connector | MC4 compatible |
| Output cables | cable length ± 800mm, 31.5 in |

ELECTRICAL CHARACTERISTICS (STC)

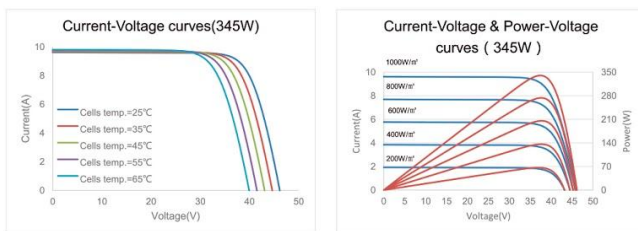
| | AB72-335PHC | AB72-340HCP | AB72-345PHC | AB72-350PHC |
|------------------------------|-------------|-------------|-------------|-------------|
| Maximum Power (Pmax) | 335W | 340W | 345W | 350W |
| Shot Circuit Current (Isc) | 9.37A | 9.47A | 9.57A | 9.65A |
| Open Circuit Voltage (Voc) | 45.74V | 45.86V | 46.04V | 46.25V |
| Maximum Power Current (Impp) | 8.92A | 9.03A | 9.15A | 9.26A |
| Maximum Power Voltage (Vmpp) | 37.57V | 37.64V | 37.71V | 37.78V |
| Module Efficiency | 17.0% | 17.3% | 17.5% | 17.8% |
| Power Tolerance | 0~+3% | | | |

NOCT

| | AB72-335PHC | AB72-340HCP | AB72-345PHC | AB72-350PHC |
|------------------------------|-------------|-------------|-------------|-------------|
| Maximum Power (Pmax) | 233.9W | 237.4W | 240.9W | 244.4W |
| Shot Circuit Current (Isc) | 7.25A | 7.32A | 7.40A | 7.46A |
| Open Circuit Voltage (Voc) | 41.97V | 42.08V | 42.25V | 42.44V |
| Maximum Power Current (Impp) | 6.82A | 6.90A | 6.99A | 7.08A |
| Maximum Power Voltage (Vmpp) | 34.32V | 34.40V | 34.45V | 34.54V |

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) | 46 °C ± 2 °C |
| Temperature Coefficient of Pmax | -0.408% °C |
| Temperature Coefficient of Voc | -0.311% °C |
| Temperature Coefficient of Isc | 0.05% °C |

SYSTEM INTEGRATION PARAMETERS

| | |
|-------------------------------|-----------------|
| Maximum System Voltage | 1500 VDC |
| Maximum Series Fuse | 15A |
| Operating Temperature | -40°C ... +85°C |
| Maximum snow load (IEC 61215) | 6000 Pa |

QUALIFICATIONS AND CERTIFICATES



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+380 44 379 2889

PACKING CONFIGURATION

| | |
|------------------------|-------------------|
| | 1986x 992x 40 mm |
| Container | 40'GP |
| Pieces per Pallet | 27 |
| Weight of packing unit | 645 kg / 1422 lbs |
| Pieces per Container | 594 |