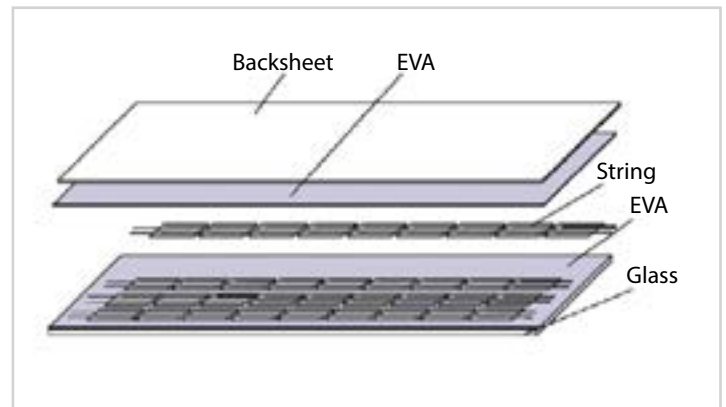


ABP-72P

325W
330W
335W
340W

72 (6x12) 156x156mm 4BB

Polycrystalline PV modules for
Large Scale Projects



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"

10

YEAR

Manufacturing Warranty

12

YEAR WARRANTY

90% Power Output

25

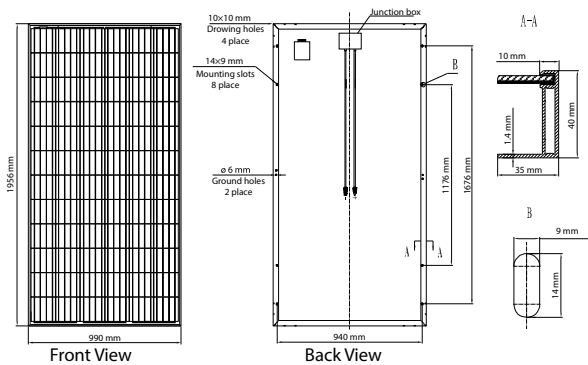
YEAR WARRANTY

80% Power Output

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 standarts and environment management system: ISO9001 and ISO14001.
- Maximum power and performance at minimal price ensure fast return of investments.
- Compatability with both on-grid and off-grid PV systems ga-rated.

MECHANICAL DRAWINGS



MECHANICAL SPECIFICATIONS

Cell type	Poly Crystalline 156x156 mm 4BB
Number of cells	72 (6x12)
Dimensions (AxBxC)	1956x990x40 mm
Weight	22 kg
Front Glass	3.2 mm tempered low iron glass
Frame	Anodized aluminum
Junction Box	IP67 with 3 bypass diodes
Connector	MC4 compatible
Output cables	TUV, length ±900mm, 4.0mm ²

ELECTRICAL CHARACTERISTICS (STC)

	ABP325-72P	ABP330-72P	ABP335-72P	ABP340-72P
Maximum Power (Pmax)	325W	330W	335W	340W
Shot Circuit Current (Isc)	9.91A	9.27A	9.36A	9.45A
Open Circuit Voltage (Voc)	46.0V	46.2V	46.4V	46.6V
Maximum Power Current (Impp)	8.68A	8.77A	8.86A	8.95A
Maximum Power Voltage (Vmpp)	37.4V	37.6V	37.8V	38.0V
Module Efficiency	16.78%	17.04%	17.30%	17.55%
Power Tolerance	0~+3%			

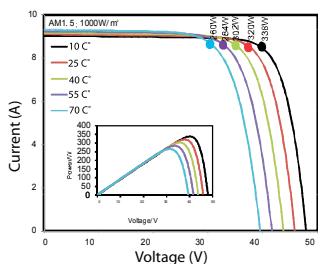
NOCT

	ABP325-72P	ABP330-72P	ABP335-72P	ABP340-72P
Maximum Power (Pmax)	241W	244W	248W	251W
Shot Circuit Current (Isc)	7.46A	7.48A	7.56A	7.63A
Open Circuit Voltage (Voc)	42.7V	43.0V	43.2V	43.4V
Maximum Power Current (Impp)	6.97A	6.97A	7.04A	7.12A
Maximum Power Voltage (Vmpp)	34.6V	35.0V	35.3V	35.4V

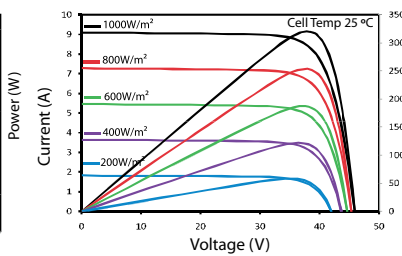
STC irradiance: 1000 W/m² module temperature: +25 °C AM=1,5

NOCT irradiance: 800 W/m² module temperature: +20 °C AM=1,5

V-I curves at different temperatures



Power/W Curves at different irradiances



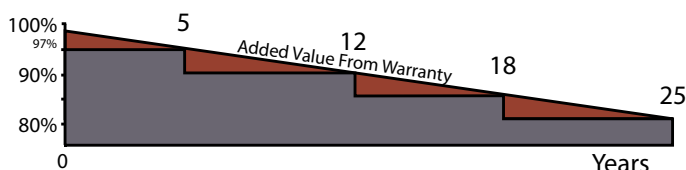
TEMPERATURE CHARACTERISTICS

Nominal Operating Cell Temperature (NOCT)	45 °C ±2 °C
Temperature Coefficient of Pmax	-0.408% °C
Temperature Coefficient of Voc	-0.292% °C
Temperature Coefficient of Isc	0.045% °C

SYSTEM INTEGRATION PARAMETERS

Maximum System Voltage	VDC 1500V
Maximum Series Fuse	20A
Operating Temperature	-40 °C ... +85 °C
Maximum snow load (IEC 61215)	5400Pa

INDUSTRY-LEADING WARRANTY BASED ON NOMINAL POWER



Based of nominal power (Pnom)

25-year transferrable power output warranty:

95% - 5 years; 90% - 12 years; 85% - 18 years; 80% - 25 years

10-year material and workmanship

QUALIFICATIONS AND CERTIFICATES



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