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Solar Panel Guide Specification Data Sheet

ABi-Solar Inc

AB-72PHC

AB72-345PHC

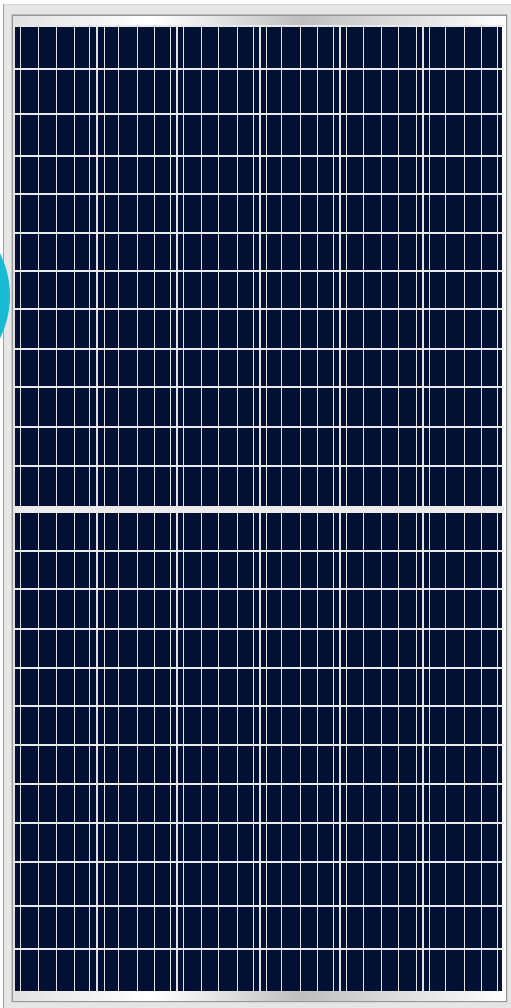
Also available on the web at
EnergyPal.com/abi-solar-inc-solar-panels/ab72-345phc

AB-72PHC

330W
335W
340W
345W

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

Polycrystalline PV modules



Power tolerance (0~+4.99%) 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

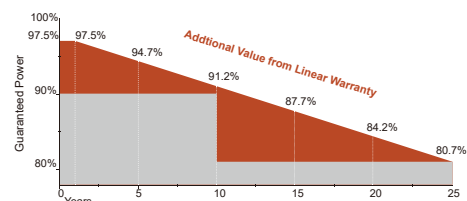


Junction box and bypass diods guarantee the modules free of overheating and "hot spot effect"

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-
ranteed.

INDUSTRY-LEADING WARRANTY BASED ON NOMINAL POWER



Based of nominal power (Pnom)

25-year transferrable power output warranty:

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

10-year material and workmanship

10

YEAR

Manufacturing Warranty

12

YEAR WARRANTY

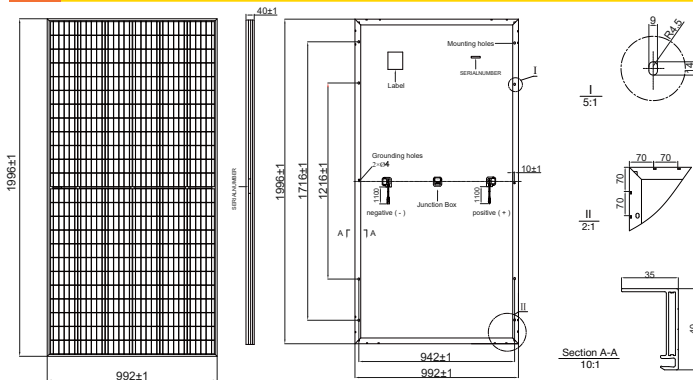
90% Power Output

25

YEAR WARRANTY

80% Power Output

MECHANICAL DRAWINGS



MECHANICAL SPECIFICATIONS

Cell type	Poly Crystalline
Number of cells	144 (6*24)
Dimensions (A×B×C)	1996×992×40 mm
Weight	22,5 kg
Font Glass	3.2 mm AR coating tempered glass
Frame	Anodized aluminum alloy
Junction Box	IP68 3 diodes
Connector	MC4 compatible
Output cables	4.0 mm ² Portrait:255mm(+)/355mm(-) Landscape:1200mm

ELECTRICAL CHARACTERISTICS (STC)

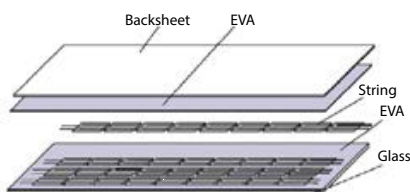
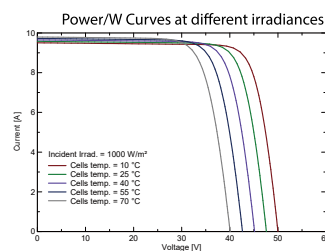
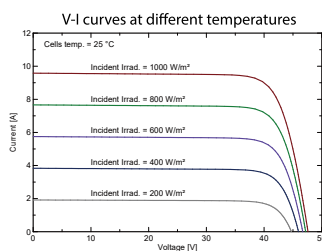
	AB72-330PHC	AB72-335HCP	AB72-340PHC	AB72-345PHC
Maximum Power (Pmax)	330W	335W	340W	345W
Shot Circuit Current (Isc)	9.11A	9.19A	9.24A	9.32A
Open Circuit Voltage (Voc)	46.0V	46.2V	46.5V	46.7V
Maximum Power Current (Impp)	8.62A	8.71A	8.77A	8.85A
Maximum Power Voltage (Vmpp)	38.3V	38.5V	38.8V	39.0V
Module Efficiency	16.67%	16.92%	17.17%	17.42%
Power Tolerance	0~+4,99%			

NOCT

	AB72-330PHC	AB72-335HCP	AB72-340PHC	AB72-345PHC
Maximum Power (Pmax)	242W	246W	250W	253,5W
Shot Circuit Current (Isc)	7.33A	7.39A	7.43A	7.50A
Open Circuit Voltage (Voc)	42.68V	42.86V	43.14V	43.33V
Maximum Power Current (Impp)	6.88A	6.95A	7.0A	7.06A
Maximum Power Voltage (Vmpp)	35.28V	35.47V	35.75V	35.93V

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

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



PACKING CONFIGURATION

	1996x 992x 40 mm		
Container	20'GP	40'GP	40HQ
Pieces per Pallet	27	27	27+2*
Pallets per Container	10	22	22
Pieces per Container	270	594	638

* 27+2 pieces per pallet is the special package which only suits for container transport

TEMPERATURE CHARACTERISTICS

Nominal Operating Cell Temperature (NOCT)	45 °C ±2 °C
Temperature Coefficient of Pmax	-0.38% °C
Temperature Coefficient of Voc	-0.30% °C
Temperature Coefficient of Isc	0.05% °C

SYSTEM INTEGRATION PARAMETERS

Maximum System Voltage	1000 VDC / 1500 VDC
Maximum Series Fuse	20A
Operating Temperature	-40° C ... +85° C
Maximum snow load (IEC 61215)	5400Pa

QUALIFICATIONS AND CERTIFICATES



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