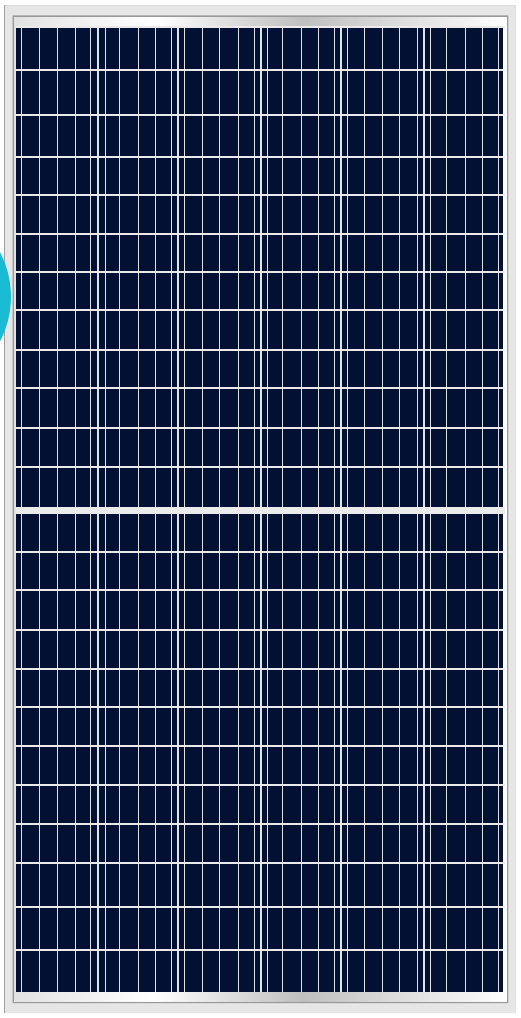
ABiSOLAR

AB-72PHC

330W
335W
340W
345W

144 (6×24) 156.75×78.375mm 5BB

Polycrystalline PV modules



Powered by Tier 1 Bloomberg NEW ENERGY FINANCE Manufacturers

- Power tolerance (0~+4.99%) to ensure the high reliability of power output
- Modules sertified 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?

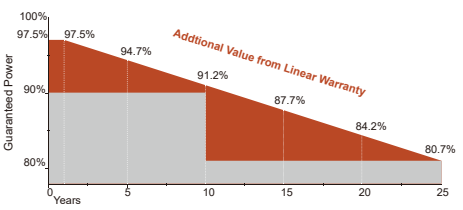
- Manufacturing and assembly of PV modules are performed only on East Asian enterprises from **Bloomberg Tier 1** list.
- PV modules are tested and demonstrate high reliability in various climatic conditions and in a wide range of insolation.
- High efficiency and return on investment guaranteed around the world.
- Modules sertified 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 garateed.

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 (Pnom)

25-year tranferrable power output warranty:

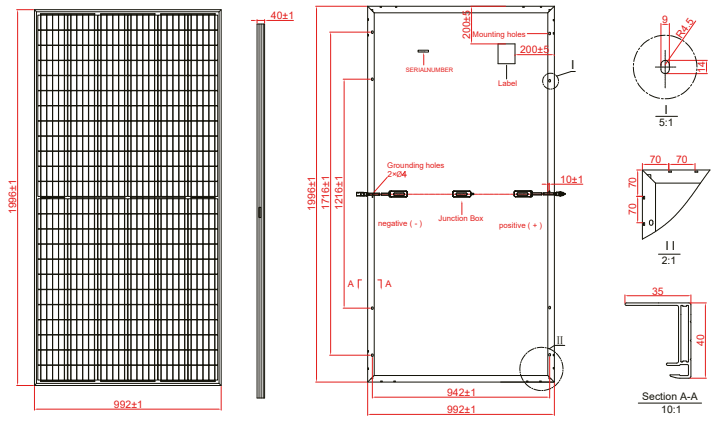
94,7% - 5 years; 87,7% - 15 years; 80,7% - 25 years

10-year material and workmanship

ABiSOLAR

AB-72PHC

MECHANICAL DRAWINGS



MECHANICAL SPECIFICATIONS

Cell type	Poly Crystaline
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 mm²,Portrait:255mm(+)/355mm(-) Landscape:1200mm
Maximum snow load (IEC 61215)	5400Pa

ELECTRICAL CHARACTERISTICS (STC)

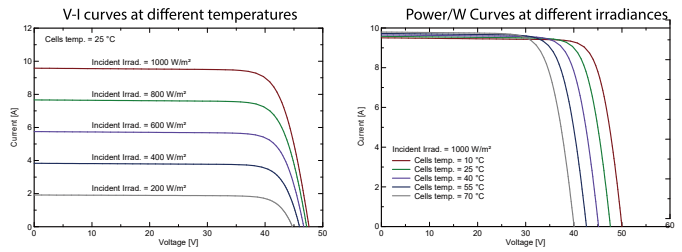
	AB330-72PHC	AB335-72PHC	AB340-72PHC	AB345-72PHC
Maximum Power (Pmax)	330W	335W	340W	345W
Shot Circuit Current (Isc)	9.11A	9.19A	9.24A	9.32A
Open Circuit Voltage (Voc)	46.0V	46.2V	46.5V	46.7V
Maximum Power Current (Impp)	8.62A	8.71A	8.77A	8.85A
Maximum Power Voltage (Vmpp)	38.3V	38.5V	38.8V	39.0V
Module Efficiency	16.67%	16.92%	17.17%	17.42%
Power Tolerance	0~+4,99W			

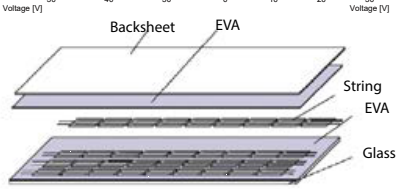
NOCT

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
Maximum System Voltage	1000 VDC / 1500 VDC			
Maximum Series Fuse	20A			

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 °C ±2 °C
Temperature Coefficient of Pmax	-0.39% °C
Temperature Coefficient of Voc	-0.30% °C
Temperature Coefficient of Isc	0.05% °C
Operating Temperature	-40°C ... +85°C

QUALIFICATIONS AND CERTIFICATES

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

Head-office
1126 S Federal Highway #285, Fort Lauderdale, Florida 33316, USA
+13055042302
info@abi-solar.com

Eastern Europe
ul. Józefa Ignacego Kraszewskiego 36/128, 30-110 Kraków, Poland
+48 12 307 25 43

CIS
9b, Simyi Sosninykh str., 03148 Kyiv, Ukraine
+380 44 379 2889