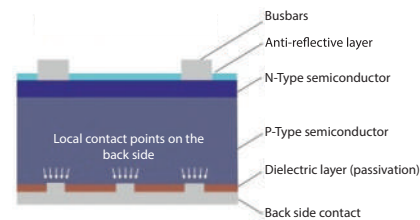
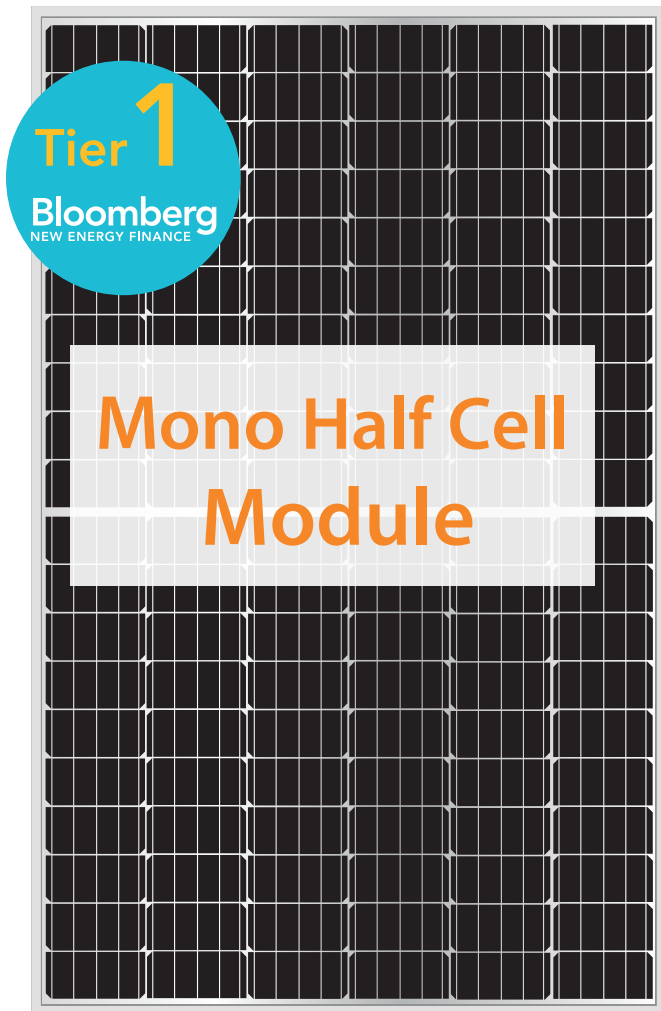


# AB-72MHC HV

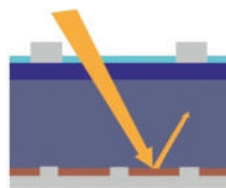
144 (6×24) 158.75×158.75mm

365W  
370W  
375W

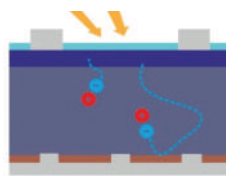
## Monocrystalline PV modules



**Technology  
PERC**



**Increasing the absorption capacity of the photocell**

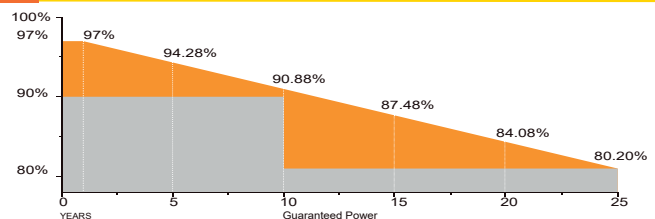


**Reflection of electrons in the p-n transition zone**

### 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



Based of nominal power (P<sub>nom</sub>)

25-year transferrable power output warranty:

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

10-year material and workmanship

**10**

**YEAR**

Manufacturing Warranty

**12**

**YEAR WARRANTY**

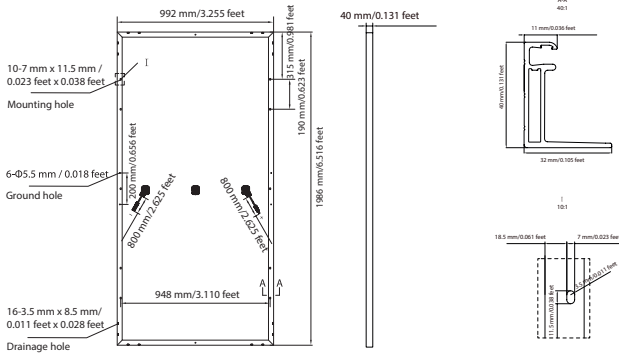
90% Power Output

**25**

**YEAR WARRANTY**

80% Power Output

## MECHANICAL DRAWINGS



## MECHANICAL SPECIFICATIONS

Cell type	Perc Mono crystalline
Number of cell	144 (6x24) 158,75 x 158,75 mm
Dimensions (AxBxC)	1986x992x40 mm
Weight	22.2kg
Font glass	3.2 mm/0.13 in
Frame	Aluminum, silver anodized
Junction Box	IP67 with 3 bypass diodes
Connector	MC4 Compatible
Output cables	TUV, length: ±800 mm, 4.0 mm <sup>2</sup>
Maximum snow load (IEC 61215)	6000Pa

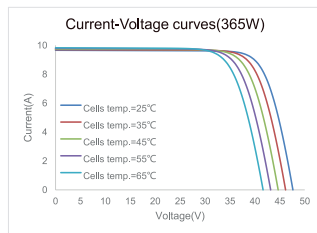
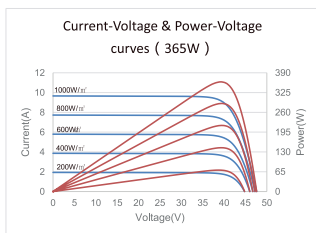
## ELECTRICAL CHARACTERISTICS (STC)

	AB365-72MHC HV	AB370-72MHC HV	AB375-72MHC HV
Maximum Power (Pmax)	365W	370W	375W
Shot Circuit Current (Isc)	9.71A	9.80A	9.88A
Open Circuit Voltage (Voc)	47.44A	47.64A	47.89A
Maximum Power Current (Imp)	9.25A	9.32A	9.39A
Maximum Power Voltage (Vmpp)	39.47V	39.71V	39.94V
Module Efficiency	18.5%	18.8%	19.0%
Power Tolerance		(0~+3W)	

## NOCT

	AB365-72MHC HV	AB370-72MHC HV	AB375-72MHC HV
Maximum Power (Pmax)	268.8W	272.5W	276.2W
Shot Circuit Current (Isc)	7.80A	7.87A	8.94A
Open Circuit Voltage (Voc)	43.99V	44.17V	44.40V
Maximum Power Current (Imp)	7.38A	7.43A	7.49A
Maximum Power Voltage (Vmpp)	36.44V	36.66V	36.88V
Maximum System Voltage		VDC 1500V	
Maximum Series Fuse		15A	

STC irradiance: 1000 W/m<sup>2</sup> module temperature: +25 °C AM=1.5 NOCT irradiance: 800 W/m<sup>2</sup> module temperature: +20 °C AM=1.5



## TEMPERATURE CHARACTERISTICS

Nominal Operating Cell Temperature (NOCT)	46±2 °C
Temperature Coefficient of Pmax	-0,376 %/°C
Temperature Coefficient of Voc	-0,282 %/°C
Temperature Coefficient of Isc	0.043 %/°C
Operating Temperature	-40~+85 °C

## PACKING CONFIGURATION

	1986x 992x 40 mm
Container	40'GP
Pieces per Pallet	27
Pallets per Container	22
Pieces per Container	594

## QUALIFICATIONS AND CERTIFICATES



Specifications are subject to change without prior notification