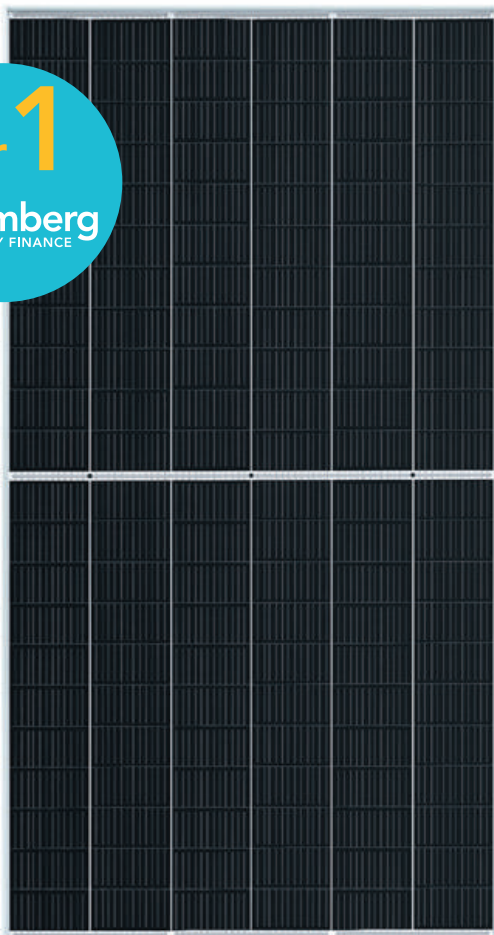


AB-66MHC

132 (2x(6x11))210mmx105mm

655W
660W
665W
670W

PERC Monocrystalline 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

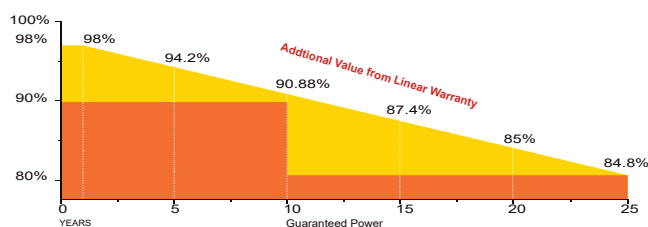


Junction box and bypass diods guarantee the modules free of overheating and "hot spot effect"

WHY ABI-SOLAR?

- 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.

INDUSTRY-LEADING WARRANTY BASED ON NOMINAL POWER



Based of nominal power (P_{nom})

25-year transferrable power output warranty:

94,2% - 5 years; 87,4% - 15 years; 84,8% - 25 years

15-year material and workmanship

15

YEAR

Manufacturing Warranty

15

YEAR WARRANTY

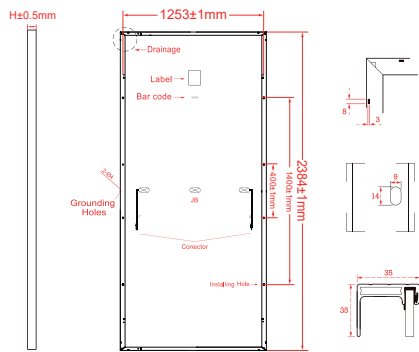
87.4% Power Output

25

YEAR WARRANTY

84.8% Power Output

MECHANICAL DRAWINGS



MECHANICAL SPECIFICATIONS

Cell type	Perc Mono crystalline
Number of cell	132 (2x(6x11))
Dimensions (AxBxC)	2384x1303x35 mm
Weight	33.9 kg
Front glass	3.2mm Tempered Glass
Frame	Anodized aluminium alloy
Junction Box	IP68
Connector	MC4 Compatible
Output cables	TUV, length: $\pm 900 \text{ mm}$, 4.0 mm^2
Maximum snow load	5400Pa

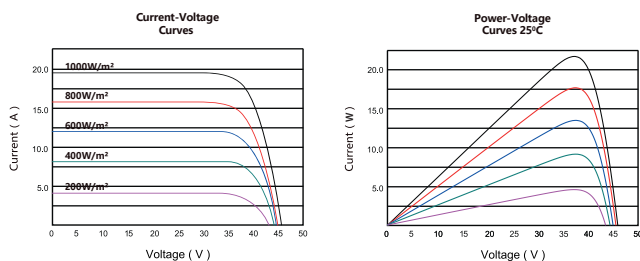
ELECTRICAL CHARACTERISTICS (STC)

	AB655-66MHC	AB660-66MHC	AB665-66MHC	AB670-66MHC
Maximum Power (Pmax)	655W	660W	665W	670W
Shot Circuit Current (Isc)	18.63A	18.66A	18.71A	18.75A
Open Circuit Voltage (Voc)	45.48V	45.64V	45.87V	46.05V
Maximum Power Current (Impp)	17.51A	17.54A	17.59A	17.63A
Maximum Power Voltage (Vmpp)	37.42V	37.63V	37.81V	38.02V
Module Efficiency	21.09%	21.25%	21.41%	21.57%
Power Tolerance	(0~+5W)			
Maximum System Voltage	1500V			
Maximum Series Fuse	30A			

NOCT

	AB655-66MHC	AB660-66MHC	AB665-66MHC	AB670-66MHC
Maximum Power (Pmax)	494W	498W	502W	506W
Shot Circuit Current (Isc)	15.01A	15.03A	15.06A	15.10A
Open Circuit Voltage (Voc)	42.75V	42.92V	43.12V	43.29V
Maximum Power Current (Impp)	14.19A	14.23A	14.27A	14.32A
Maximum Power Voltage (Vmpp)	34.82V	35.01V	35.18V	35.36V

STC irradiance: 1000 W/m^2 module temperature: $+25 \text{ }^\circ\text{C}$ AM=1.5 NOCT irradiance: 800 W/m^2 module temperature: $+20 \text{ }^\circ\text{C}$ AM=1.5



TEMPERATURE CHARACTERISTICS

Nominal Operating Cell Temperature (NOCT)	$43 \pm 2 \text{ }^\circ\text{C}$
Temperature Coefficient of Pmax	$-0.34 \text{ } \%/^\circ\text{C}$
Temperature Coefficient of Voc	$-0.25 \text{ } \%/^\circ\text{C}$
Temperature Coefficient of Isc	$0.04 \text{ } \%/^\circ\text{C}$
Operating Temperature	$-40 \sim +85 \text{ }^\circ\text{C}$

PACKING CONFIGURATION

	2384x1303x35 mm
Container	40HQ
Pieces per Pallet	31
Pallets per Container	18
Pieces per Container	558

QUALIFICATIONS AND CERTIFICATES

