

SHAB120T/W

330-345W

20.4%

Max efficiency

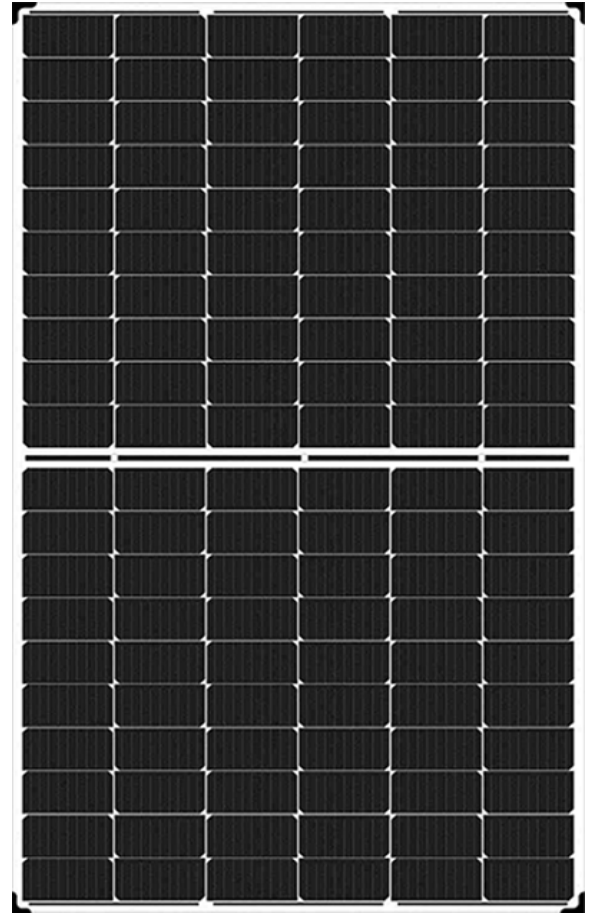
120 Layout

Monocrystalline module

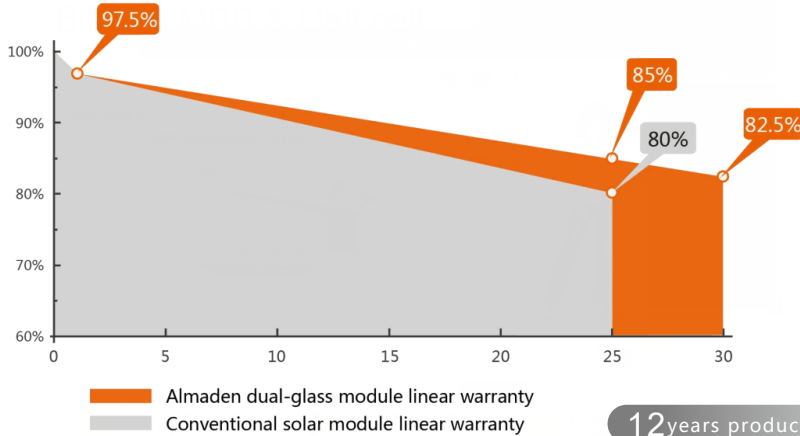
Bifacial MBB & Half cell

Monocrystalline cell

Technology



Dual-glass solar module linear warranty



High efficiency, Module efficiency upto 20.4%



both side use 2.0mm tempering glass, Lighter, thinner and more economical



1/2 current, reducing the hot spot temperature



Half Cell, MBB technology, Series-then-parallel cell connection design



Superior low irradiance performance



Excellent temperature coefficient characteristics



Lower LCOE



Highly anti-corrosion, such as ammonia or saline



30-year linear performance warranty ensure higher ROI of the power plant

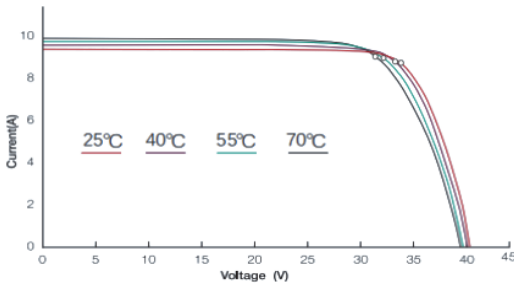
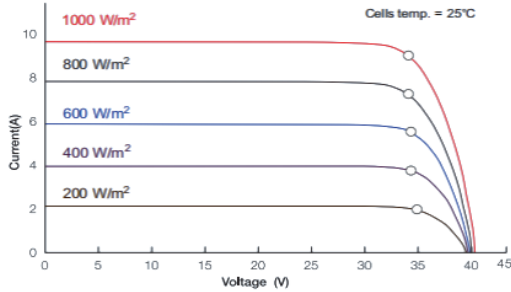


SHAB120T/W

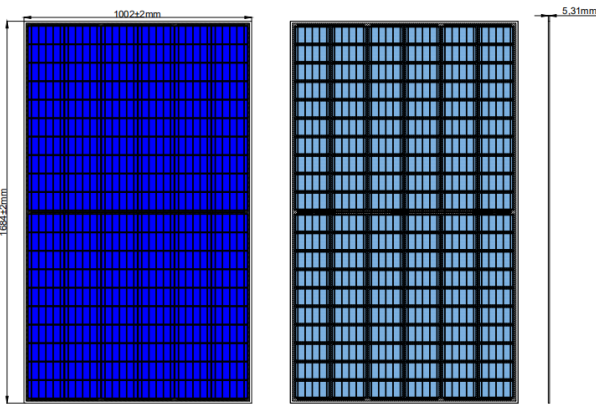
330-345W



I-V Curve(345W)



DIMENSION(mm)



ELECTRICAL SPECIFICATION (STC)

Module	SHAB120T/W-330	SHAB120T/W-335	SHAB120T/W-340	SHAB120T/W-345
Rated Power (Pmpp) (W)	330	335	340	345
Power Output Tolerance (W)	0~+5			
Rated Current (Impp) (A)	9.82	9.89	9.96	10.05
Rated Voltage (Vmpp) (V)	33.60	33.87	34.13	34.32
Short Circuit Current (Isc) (A)	10.24	10.32	10.40	10.49
Open Circuit Voltage (Voc) (V)	40.82	41.09	41.35	41.52
Efficiency(%)	19.6	19.9	20.1	20.4
Operational Temperature	-40~+85°C			
Maximum Static Load	2400Pa			
Maximum Wind Load	2400Pa			
Maximum System Voltage	1500V			
Maximum Series Fuse Rating	20A			

STC: Irradiance 1000W/m2, Cell Temperature 25°C, Air Mass AM1.5.

ELECTRICAL DATA (NOCT)

	265	268	272	275
Maximum Power (Pmax) (W)	265	268	272	275
Maximum Power Voltage (Vmp) (V)	30.89	31.02	31.26	31.46
Maximum Power Current (Imp) (A)	8.58	8.64	8.70	8.76
Open Circuit Voltage (Voc) (V)	37.38	37.56	37.75	37.93
Short Circuit Current (Isc) (A)	9.00	9.07	9.13	9.19

NOCT: Irradiance at (1+0.1BiF)800W/m², Ambient Temperature 20°C, Wind Speed 1m/s.

MECHANICAL SPECIFICATION

Cell Type	bifacial Mono-crystalline
Cell Orientation	158.75mm ×79.375mm 120PCS
Module Dimensions	1684mm ×1002mm × 5.3mm
Weight	19.7kg
Front Glass	2.0mm tempered AR glass
Encapsulant	EVA/POE
Back Glass	2.0mm tempered glass/2.0mm ceramic coated glass
Junction Box	IP68 (three bypass diodes)
Cable	4mm²
Connector	MC4 / MC4 equivalent

TEMPERATURE COEFFICIENT

NOCT(Nominal Operating Cell Temperature)	45±2°C
Temperature Coefficient of Isc	+0.0484%/°C
Temperature Coefficient of Voc (β)	-0.3035%/
Temperature Coefficient of Pmpp (γ)	-0.3943%/

PACKAGING CONFIGURATION

Modules per box	35 pieces
Modules per 40' container	910 pieces

* Declaration:

The technical specifications in this document may be slightly biased and Amaden does not guarantee its complete accuracy. Due to continuous technological innovation and product optimization, Amaden reserves the right to adjust the specification in this document at any time without prior notice. When signing a contract, the client should obtain the latest product datasheet as part of a binding contract.