Almaden

PTEROSAUR®X

SHAB120T/W

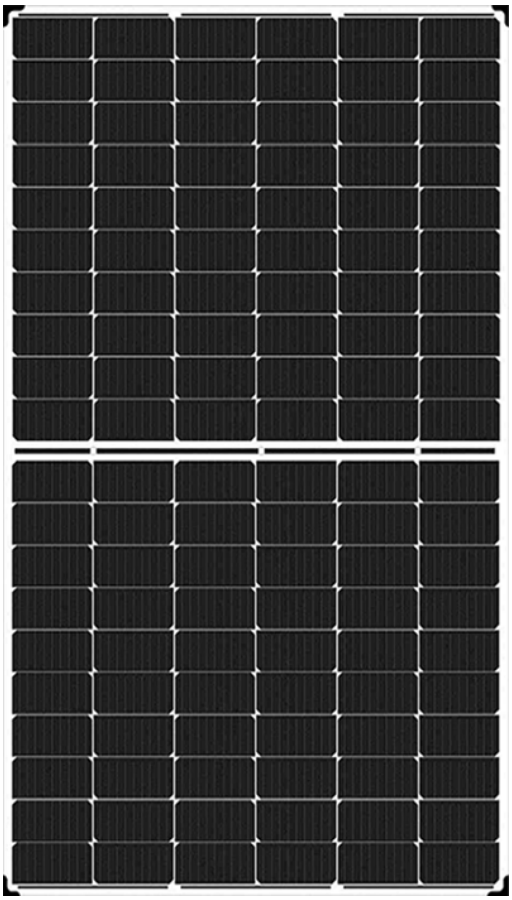
355-370W

20.0% Max efficiency

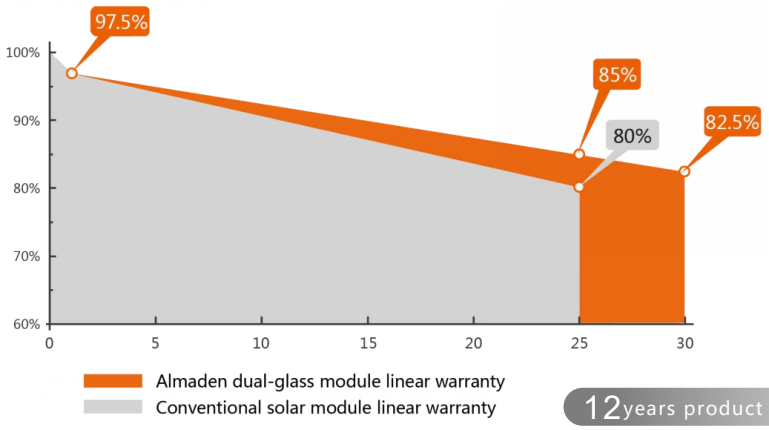
120 Layout Monocrystalline module

Bifacial Monocrystalline cell

MBB & Half cell Technology



Dual-glass solar module linear warranty



12years product warranty / 30years performance warranty

- High efficiency,Module efficiency upto20.0%
- both side use 2.0mm tempering glass, Lighter, thinner and more economical
- 1/2current, 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

Version: AMD-EN-2020-15C

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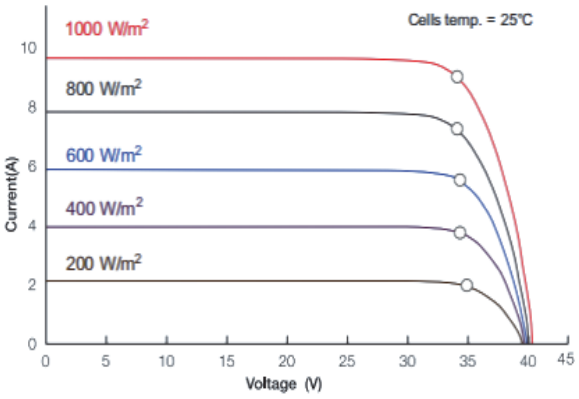
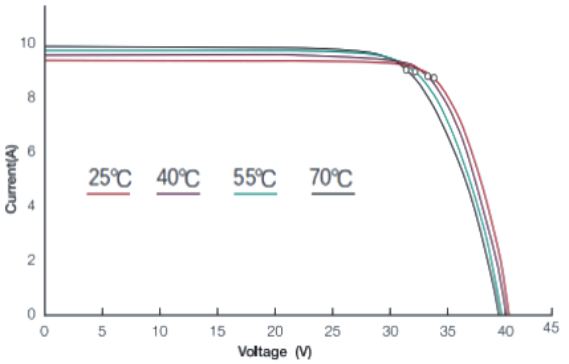
SHAB120T/W

355-370W

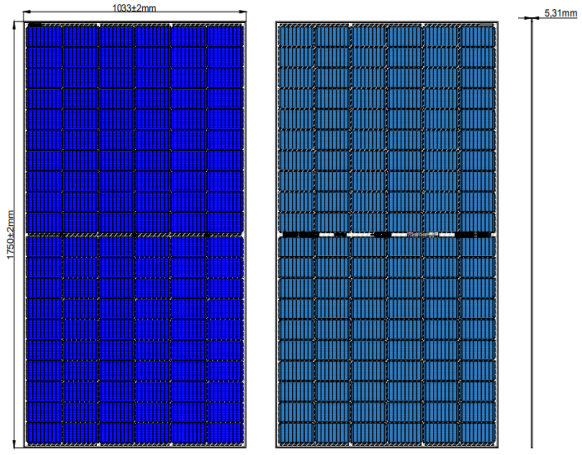
PTEROSAUR®X

I-V Curve(360W)





DIMENSION(mm)



ELECTRICAL SPECIFICATION (STC)

Module	SHAB120T/W-355	SHAB120T/W-360	SHAB120T/W-365	SHAB120T/W-370
Rated Power (Pmpp) (W)	355	360	365	370
Power Output Tolerance (W)	0~+5			
Rated Current (Impp) (A)	10.57	10.64	10.72	10.79
Rated Voltage (Vmpp) (V)	33.61	33.83	34.05	34.29
Short Circuit Current (Isc) (A)	11.06	11.14	11.22	11.29
Open Circuit Voltage (Voc) (V)	39.86	40.12	40.38	40.69
Efficiency(%)	19.2	19.5	19.7	20.0
Operational Temperature	-40~+85℃			
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)

Maximum Power (Pmax) (W)	261	265	268	272
Maximum Power Voltage (Vmp) (V)	30.67	30.89	31.02	31.26
Maximum Power Current (Imp) (A)	8.51	8.58	8.64	8.70
Open Circuit Voltage (Voc) (V)	37.19	37.38	37.56	37.75
Short Circuit Current (Isc) (A)	8.94	9.00	9.07	9.13

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

MECHANICAL SPECIFICATION

Cell Type	Bifacial Mono-crystaline
Cell Orientation	166mm × 83mm 120PCS
Module Dimensions	1750mm × 1033mm × 5.31mm
Weight	22kg
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℃
Temperature Coefficient of Isc	+0.0484%/℃
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	840pieces

* 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, Almaden 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.