

SEAB60T

300-315W

Bifacial
Solar cell

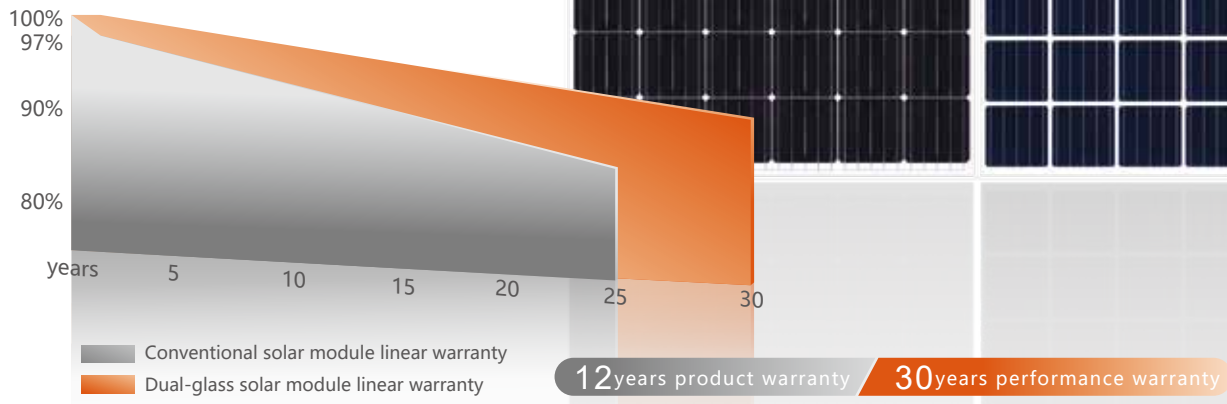
19.2%
Max efficiency

30 years
Warranty

2mm+2mm
Thickness



Dual-glass solar module linear warranty



Power generated on both sides, up to 30% yield increasing



Assemble with thinner and lighter glass in only 2mm



Great heat dissipation by replacing backsheet with glass to increase power generation



PID free by frameless design



Fully symmetrical structure to prevent micro crack



Encapsulate with POE, lower water permeability, to avoid delamination



No snail trail



Highly anti-corrosion, such as ammonia or saline



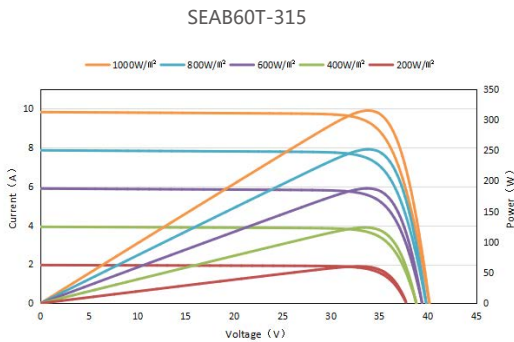
30-year linear performance warranty ensure higher ROI of the power plant



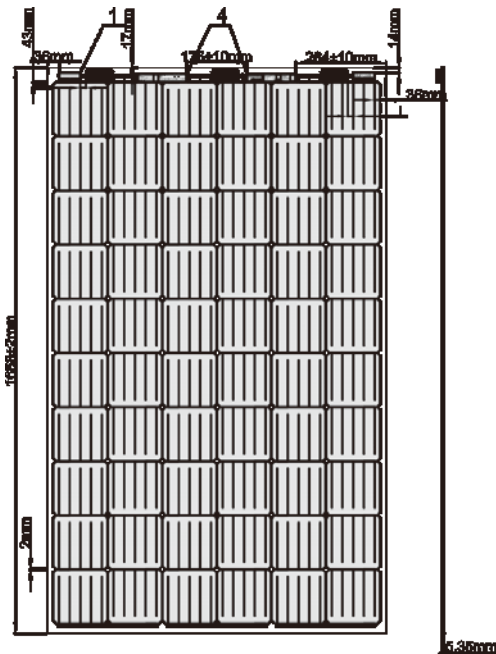
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I-V & P-V Curve



DIMENSION(mm)



* 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.

ELECTRICAL SPECIFICATION (STC)

Module	SEAB60T-300	SEAB60T-305	SEAB60T-310	SEAB60T-315
Rated Power (Pmpp) (W)	300	305	310	315
Power Output Tolerance (W)	0~+5			
Rated Current (Impp) (A)	9.26	9.32	9.44	9.52
Rated Voltage (Vmpp) (V)	32.40	32.73	32.84	33.09
Short Circuit Current (Isc) (A)	9.68	9.73	9.74	10.02
Open Circuit Voltage (Voc) (V)	39.87	39.92	39.98	40.06
Efficiency(%)	18.2	18.5	18.8	19.2
Operational Temperature	-40~+85°C			
Maximum Static Load	5400Pa			
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)				
Maximum Power Voltage (Vmp) (V)				
Maximum Power Current (Imp) (A)				
Open Circuit Voltage (Voc) (V)				
Short Circuit Current (Isc) (A)				

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

MECHANICAL SPECIFICATION

Cell Type	bifacial cells
Cell Orientation	156.75mm × 156.75mm
Module Dimensions	1658±2mm × 992±2mm × 5mm (J-box and edge sealing not included)
Weight	20kg
Front Glass	2mm tempered AR glass
Encapsulant	POE
Back Glass	2mm tempered glass
Junction Box	IP68 (three bypass diodes)
Cable	4mm ²
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)	-0.2883%/°C
Temperature Coefficient of Pmpp (γ)	-0.3797%/°C

PACKAGING CONFIGURATION

Modules per box	33 pieces
Modules per 40' container	858 pieces