

## SEAB50T

245-260W

**2mm+2mm**  
Thickness

**13.0%**  
Max efficiency

**30years**  
Warranty



Assemble with thinner and lighter glass in only 2mm



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



Encapsulate with POE, lower waterpermeability, to avoid delamination



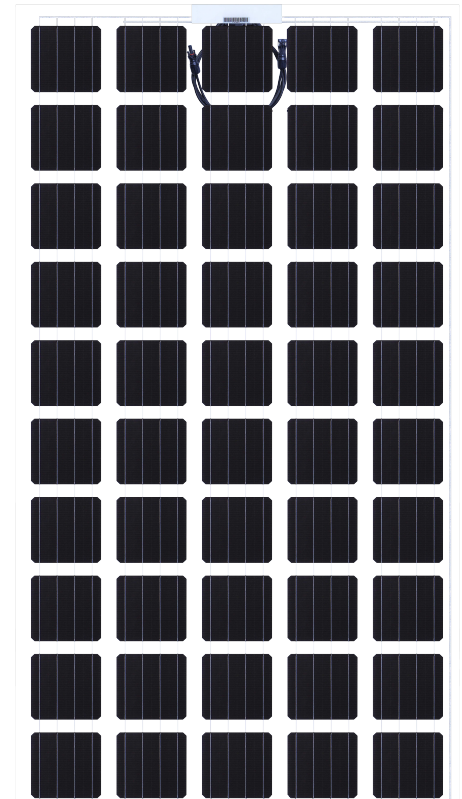
Fully symmetrical structure to prevent micro crack



Class A fire protection lead to better flame resistance, ideal for rooftop system



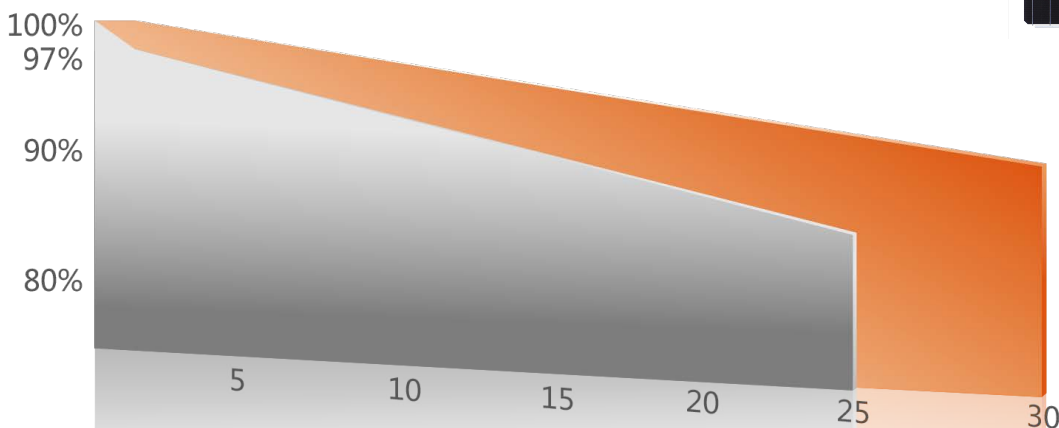
30-year linear performance warranty ensure higher ROI of the power plant



### Dual-glass solar module linear warranty

Conventional solar module linear warranty  
Dual-glass solar module linear warranty

12years product warranty 30years performance warranty



### Production Facility:

1. Changzhou Almaden Co., Ltd  
Add: 639 Qinglong East Road.Changzhou,213000 jiangsu,PEOPLE'S REPUBLIC OF CHINA
2. ALMADEN MENA FZE  
Add: Plot 04-001,Dubai Silicon Oasis,Dubai,UAE
3. GuiAn New District Almaden Photoelectric material Co., Ltd  
Add: 28#South Park of highend equipment manufacturing industry park, GuiAn New District, Guiizhong, China



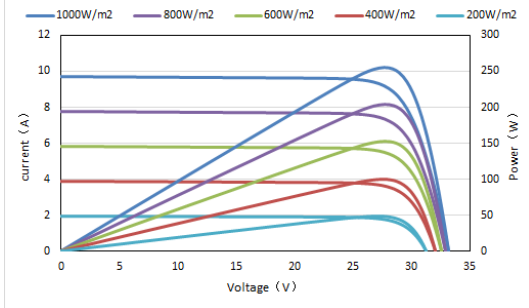
# SEAB50T

## 245-260W



# DUAL GLASS MODULE

### I-V & P-V Curve

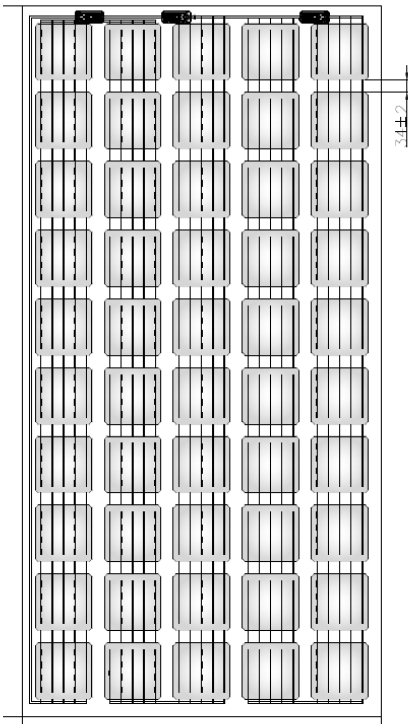


### ELECTRICAL SPECIFICATION (STC)

Module	SEAB50T -245	SEAB50T -250	SEAB50T -255	SEAB50T -260
Rated Power (Pmpp) (W)	245±3%	250±3%	255±3%	260±3%
Rated Current (Imp) (A)	9.10	9.11	9.19	9.27
Rated Voltage (Vmpp) (V)	26.95	27.45	27.75	28.05
Short Circuit Current (Isc) (A)	9.56±3%	9.68±3%	9.73±3%	9.78±3%
Open Circuit Voltage (Voc) (V)	32.92±3%	32.98±3%	33.19±3%	33.39±3%
Efficiency(%)	12.5	12.8	13.0	13.2
Operational Temperature	-40~+85°C			
Designed Mechanical Load	2400/1600Pa			
Maximum System Voltage	1500V DC			
Maximum Over-current Protection Rating	20A			

STC: Irradiance 1000W/m<sup>2</sup>, Cell Temperature 25°C, Air Mass AM1.5.

### DIMENSION(mm)



### ELECTRICAL DATA (NOCT)

Maximum Power (Pmax) (W)	181.33	184.54	188.10	191.60
Maximum Power Voltage (Vmp) (V)	24.94	25.24	25.55	25.80
Maximum Power Current (Imp) (A)	7.27	7.31	7.36	7.41
Open Circuit Voltage (Voc) (V)	30.59	30.61	30.79	30.98
Short Circuit Current (Isc) (A)	7.78	7.79	7.83	7.87

NOCT : Irradiance at 800W/m<sup>2</sup>, Ambient Temperature 20°C, Wind Speed 1m/s.

### MECHANICAL SPECIFICATION

Cell Type	Bifacial PERC-crystalline
Cell Orientation	158.75mm × 158.75mm
Module Dimensions	2000mm × 1002mm × 5mm (J-box and edge sealing not included)
Weight	24.0kg
Front Glass	2mm tempered AR glass
Encapsulant	POE
Back Glass	2mm tempered glass
Junction Box	IP68 (three bypass diodes)
Cable	4mm <sup>2</sup>
Connector	Z4S-abcde

### 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	726 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.