

SEAC50T

255-270W

37.0%

Transmittance

30 years

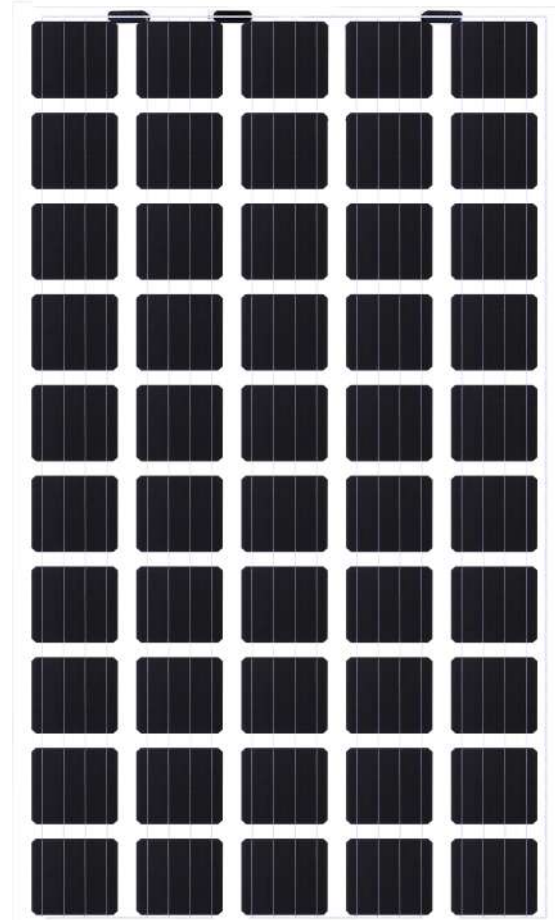
Warranty

12.8%

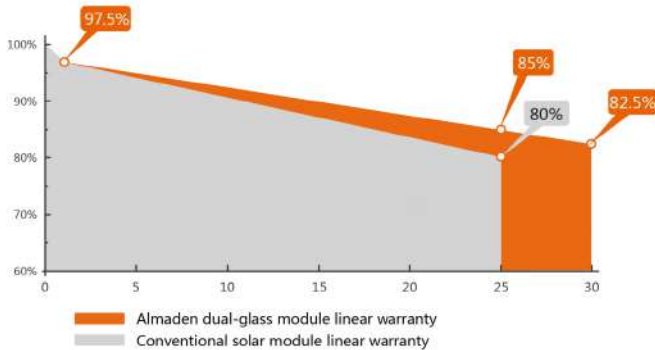
Max efficiency

2mm+2mm

Thickness



Performance warranty



12years product warranty

30years performance warranty



Assemble with thinner and lighter glass in only 2mm



Fully symmetrical structure to prevent micro crack



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



PID free by frameless design



No snail trail



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



Encapsulate with POE, lower waterpermeability, to avoid delamination



Highly anti-corrosion, such as ammonia or saline



30 years linear performance warranty ensure higher ROI of the power plant

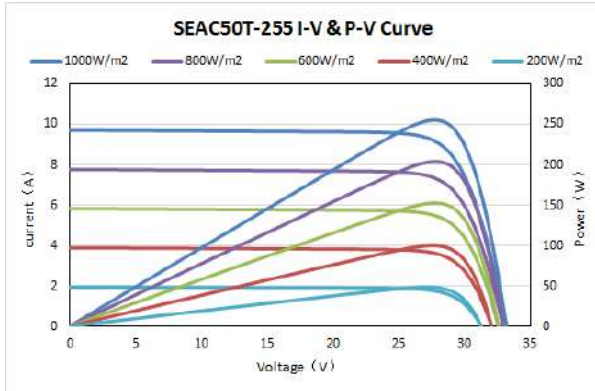


SEAC50T

255-270W



I-V & P-V Curve



ELECTRICAL SPECIFICATION (STC)

Module	SEAC50T-255	SEAC50T-260	SEAC50T-265	SEAC50T-270
Rated Power (Pmpp) (W)	255	260	265	270
Power Output Tolerance (W)	0~+5			
Rated Current (Impp) (A)	9.31	9.59	9.67	9.73
Rated Voltage (Vmpp) (V)	27.39	27.11	27.40	27.75
Short Circuit Current (Isc) (A)	9.73	9.93	10.09	10.21
Open Circuit Voltage (Voc) (V)	33.46	33.43	33.74	33.95
Efficiency(%)	12.7	13.0	13.2	13.5
Operational Temperature	-40~+85°C			
Maximum Static Load	5400Pa			
Maximum Wind Load	2400Pa			
Maximum System Voltage	1500V			
Maximum Series Fuse Rating	20A			

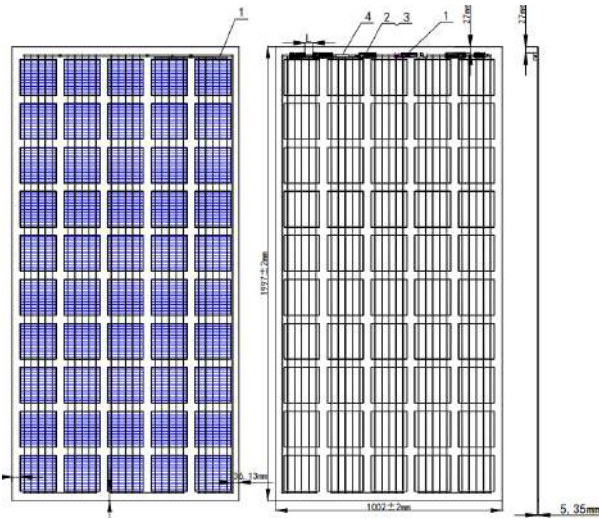
STC: Irradiance 1000W/m2, Cell Temperature 25°C, Air Mass AM1.5.

ELECTRICAL DATA (NOCT)

	SEAC50T-255	SEAC50T-260	SEAC50T-265	SEAC50T-270
Maximum Power (Pmax) (W)	188.6	192.4	195.4	198.6
Maximum Power Voltage (Vmp) (V)	25.63	25.79	25.89	26.0
Maximum Power Current (Imp) (A)	7.36	7.46	7.55	7.64
Open Circuit Voltage (Voc) (V)	31.53	31.73	31.85	31.98
Short Circuit Current (Isc) (A)	7.81	7.93	8.07	8.17

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

DIMENSION(mm)



MECHANICAL SPECIFICATION

Cell Type	Mono-crystalline
Cell Orientation	158.75mm × 158.75mm, 50PCS
Module Dimensions	1997mm × 1002mm × 5.35mm
Weight	23.3kg
Front Glass	2.0mm tempered AR glass
Encapsulant	POE
Backsheet	2mm tempered 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	+0.0268%/K
Temperature Coefficient of Voc (β)	-0.286%/K
Temperature Coefficient of Pmpp (γ)	-0.3904%/K

PACKAGING CONFIGURATION

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