

SEAC50T

235-250W

2mm+2mm
Thickness

12.8%
Max efficiency

30years
Warranty

38.0%
Transmittance



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



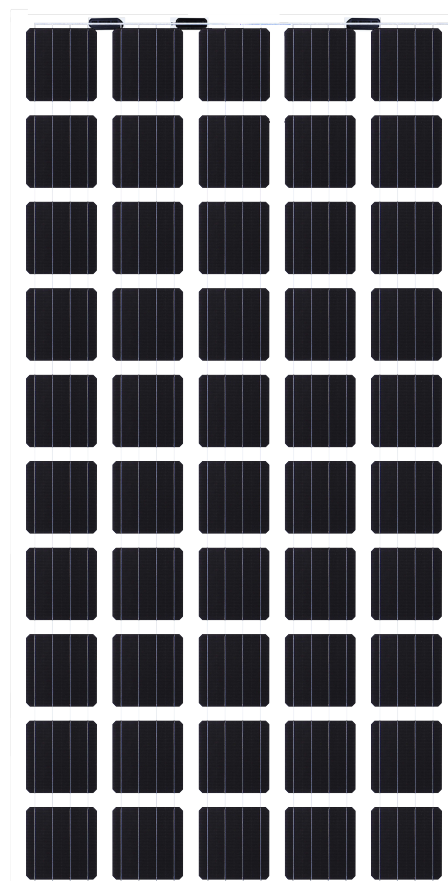
Fully symmetrical structure to prevent micro crack



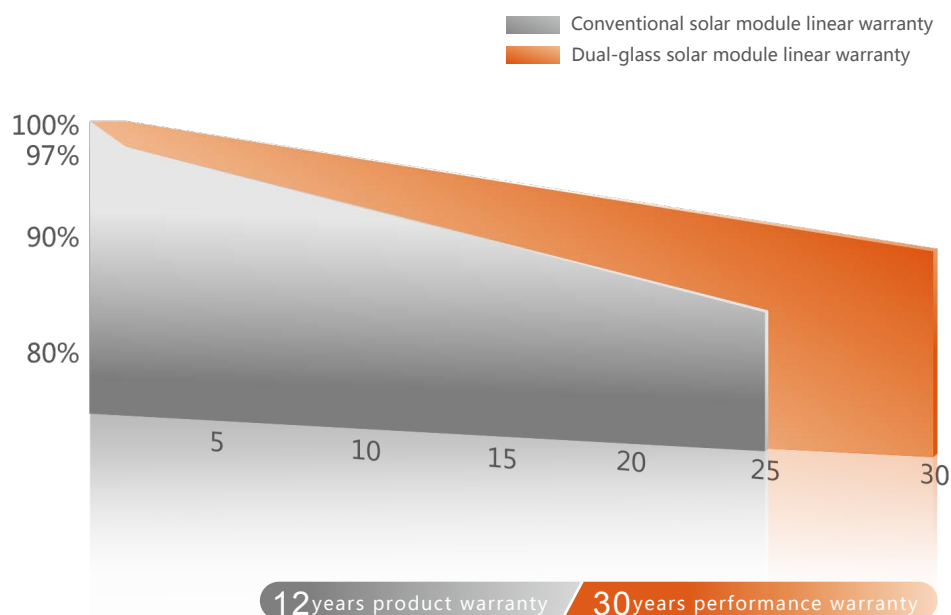
Class A fire protection lead to better flame resistance , ideal for rooftop system



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



Dual-glass solar module linear warranty



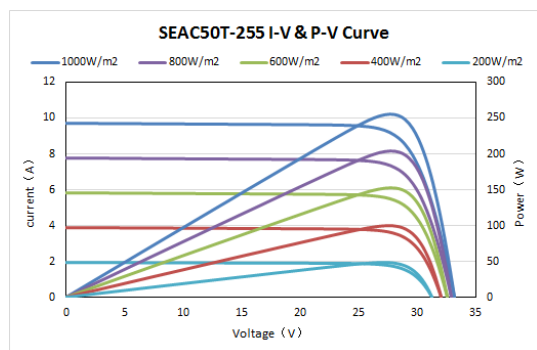
SEAC50T

235-250W

PTEROSAUR®

DUAL GLASS MODULE

I-V & P-V Curve

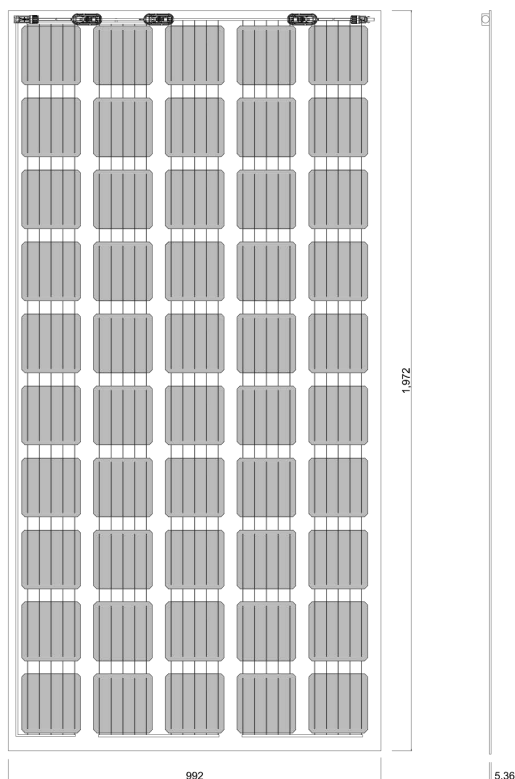


ELECTRICAL SPECIFICATION (STC)

Module	SEAC50T-235	SEAC50T-240	SEAC50T-245	SEAC50T-250
Rated Power (Pmpp) (W)	240±3%	245±3%	250±3%	255±3%
Rated Current (Imp) (A)	8.94	9.09	9.18	9.25
Rated Voltage (Vmpp) (V)	26.31	26.48	26.69	27.03
Short Circuit Current (Isc) (A)	9.32	9.51	9.64	9.68
Open Circuit Voltage (Voc) (V)	32.85	32.97	33.12	33.26
Efficiency(%)	11.9	12.2	12.5	12.8
Operational Temperature	-40~+85°C			
Designed Mechanical Load	5400/2400Pa			
Maximum System Voltage	1500V			
Maximum Over-current Protection Rating	20A			

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

DIMENSION(mm)



ELECTRICAL DATA (NOCT)

Maximum Power (Pmax) (W)	174.56	178.46	181.46	185.10
Maximum Power Voltage (Vmp) (V)	24.87	24.95	25.03	25.31
Maximum Power Current (Imp) (A)	7.02	7.15	7.25	7.31
Open Circuit Voltage (Voc) (V)	30.53	30.64	30.78	30.89
Short Circuit Current (Isc) (A)	7.50	7.65	7.75	7.79

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

MECHANICAL SPECIFICATION

Cell Type	Mono-crystalline
Cell Orientation	156.75mm × 156.75mm
Module Dimensions	1972mm × 992mm × 5mm (J-box and edge sealing not included)
Weight	23.3kg
Front Glass	2mm tempered AR glass
Encapsulant	POE
Back Glass	2mm tempered glass
Junction Box	IP68 (three bypass diodes)
Cable	4mm ²
Connector	Z4S-abcde

TEMPERATURE COEFFICIENT

NOCT(Nominal Operating Cell Temperature)	45±2°C
Temperature Coefficient of Isc	+0.0268%/°C
Temperature Coefficient of Voc (β)	-0.286%/°C
Temperature Coefficient of Pmpp (γ)	-0.3904%/°C

PACKAGING CONFIGURATION

Modules per box	38 pieces
Modules per 40' container	988 pieces

* Declaration:

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