

SEAP40T

175-180W

2mm+2mm
Thickness

11.0%
Max efficiency

30 years
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



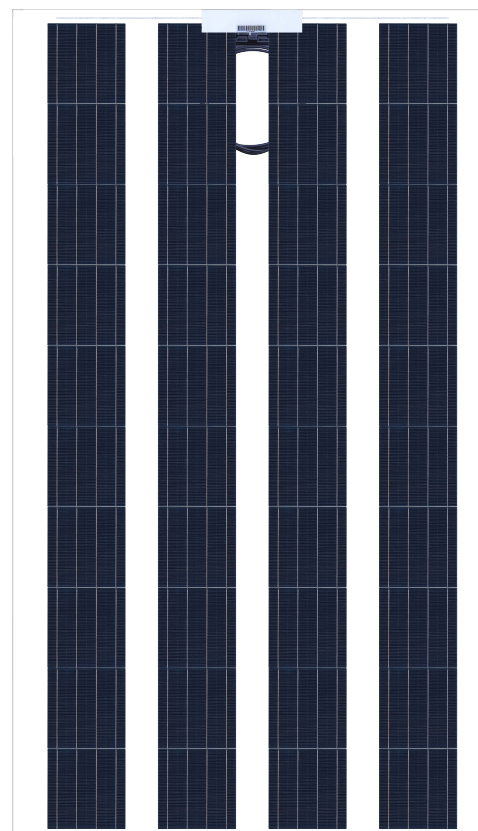
Fully symmetrical structure to prevent micro crack



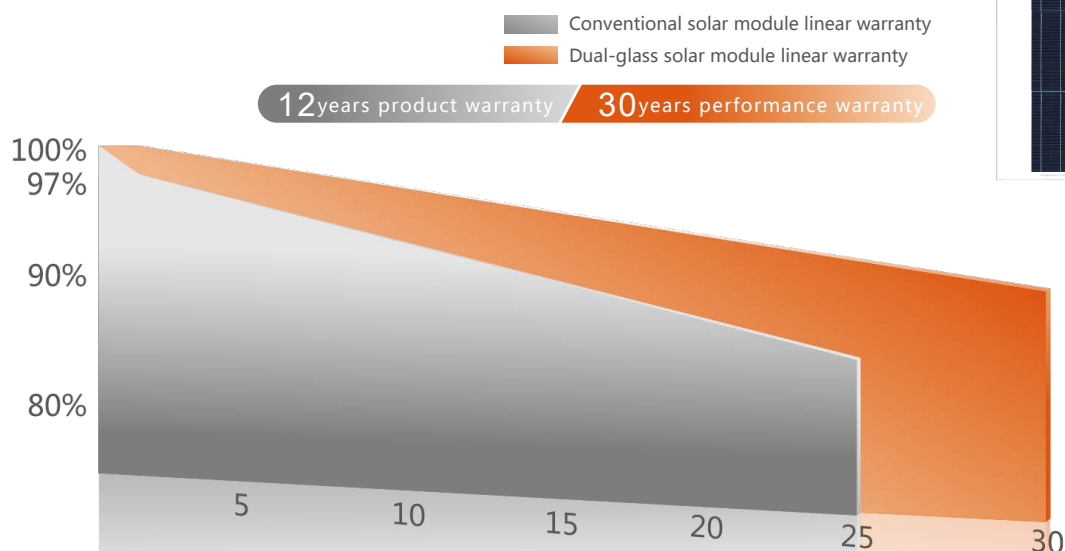
Class A fire protection lead to better flame resistance, ideal for rooftop system



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



Dual-glass solar module linear warranty



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



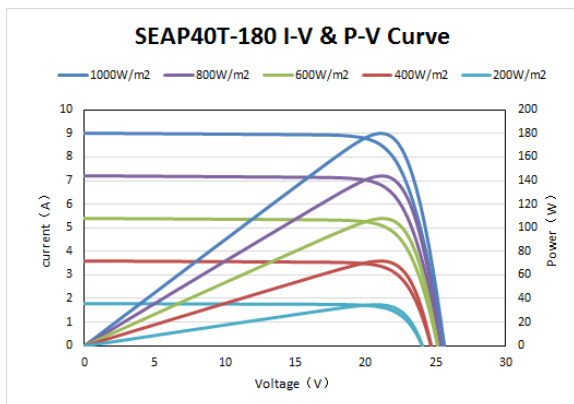
SEAP40T

175-180W

PTEROSAUR®

DUAL GLASS MODULE

I-V & P-V Curve

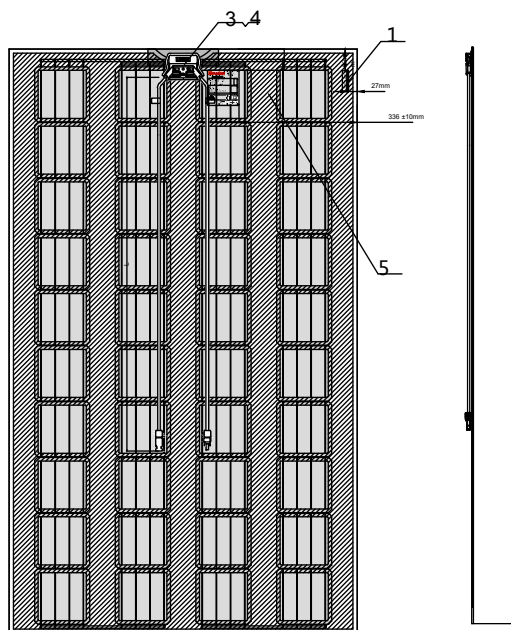


ELECTRICAL SPECIFICATION (STC)

Module	SEAP40T -175	SEAP40T -180
Rated Power (P _{mpp}) (W)	175±3%	180±3%
Rated Current (I _{mpp}) (A)	8.45	8.62
Rated Voltage (V _{mpp}) (V)	20.72	20.89
Short Circuit Current (I _{sc}) (A)	8.86±3%	9.04±3%
Open Circuit Voltage (V _{oc}) (V)	25.42±3%	25.61±3%
Efficiency(%)	10.6	11.0
Operational Temperature	-40~+85°C	
Designed Mechanical Load	2400/1600Pa	
Maximum System Voltage	1500V DC	
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 (P _{max}) (W)	129.42	133.05
Maximum Power Voltage (V _{mp}) (V)	19.27	19.42
Maximum Power Current (I _{mp}) (A)	6.72	6.85
Open Circuit Voltage (V _{oc}) (V)	23.53	23.70
Short Circuit Current (I _{sc}) (A)	7.15	7.29

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	1662mm × 990mm × 5mm (J-box and edge sealing not included)
Weight	19.0kg
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 I _{sc}	+0.0484%/°C
Temperature Coefficient of V _{oc} (β)	-0.2883%/°C
Temperature Coefficient of P _{mpp} (γ)	-0.3797%/°C

PACKAGING CONFIGURATION

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