

SEAC50T

240-255W

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



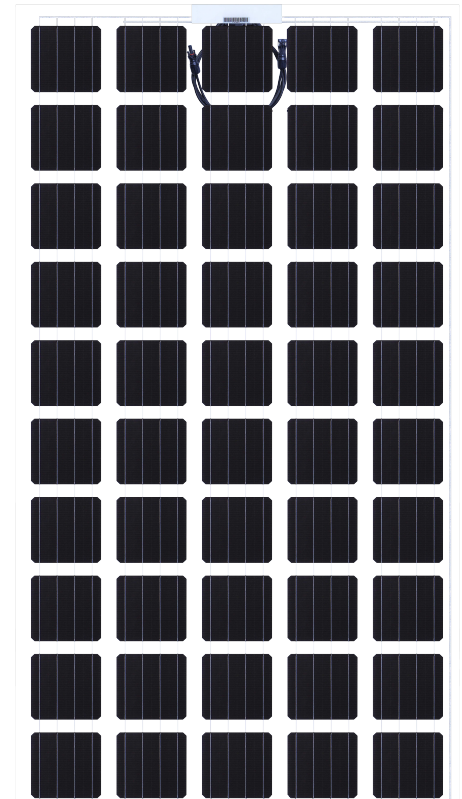
Fully symmetrical structure to prevent micro crack



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



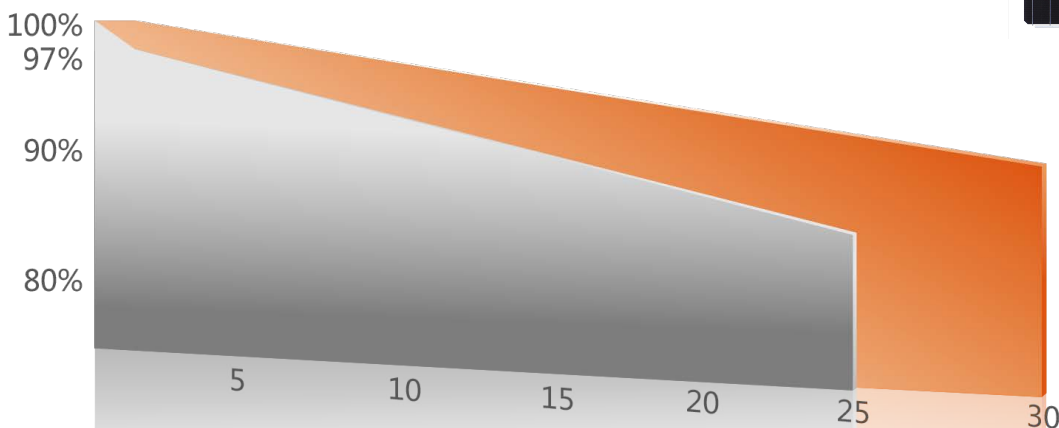
30-year linear performance warranty ensure higher ROI of the power plant



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



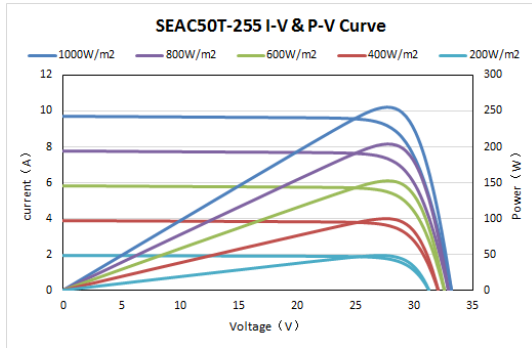
SEAC50T

240-255W



DUAL GLASS MODULE

I-V & P-V Curve

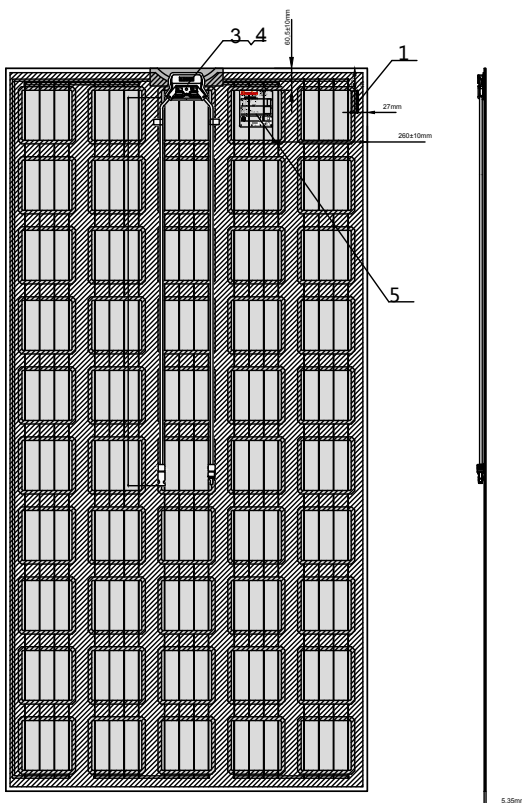


ELECTRICAL SPECIFICATION (STC)

| Module | SEAC50T -240 | SEAC50T -245 | SEAC50T -250 | SEAC50T -255 |
|--|-----------------|-----------------|-----------------|-----------------|
| Rated Power (P _{mpp}) (W) | 240±3% | 245±3% | 250±3% | 255±3% |
| Rated Current (I _{mp}) (A) | 8.93 | 9.10 | 9.11 | 9.19 |
| Rated Voltage (V _{mpp}) (V) | 26.88 | 26.95 | 27.45 | 27.75 |
| Short Circuit Current (I _{sc}) (A) | 9.44±3% | 9.67±3% | 9.68±3% | 9.73±3% |
| Open Circuit Voltage (V _{oc}) (V) | 32.68±3% | 32.92±3% | 32.98±3% | 33.19±3% |
| Efficiency(%) | 12.2 | 12.5 | 12.8 | 13.0 |
| 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) | 177.42 | 181.33 | 184.54 | 188.10 |
| Maximum Power Voltage (V _{mp}) (V) | 24.90 | 24.94 | 25.24 | 25.55 |
| Maximum Power Current (I _{mp}) (A) | 7.13 | 7.27 | 7.31 | 7.36 |
| Open Circuit Voltage (V _{oc}) (V) | 30.36 | 30.59 | 30.61 | 30.79 |
| Short Circuit Current (I _{sc}) (A) | 7.59 | 7.78 | 7.79 | 7.83 |

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 | 1980mm × 990mm × 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 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 _{mp} (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, 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.