SEAP72W
320-330W

2mm+2mm
Thickness

16.9%
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
- **POE** 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 warrantyensure 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**

100%
97.5%
90%
80%

5   10   15   20   25   30
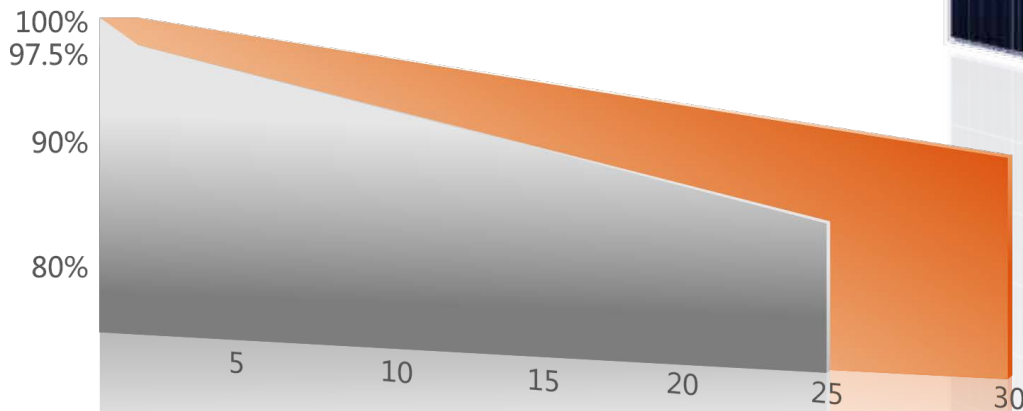
Production Facility:

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
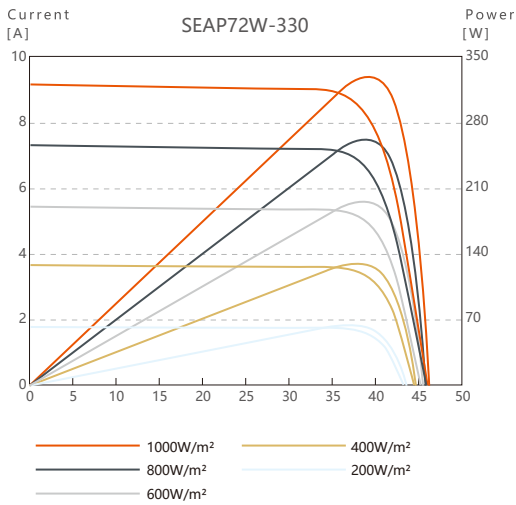
SEAP72W
320-330W

PTEROSAUR®
DUAL GLASS MODULE

I-V & P-V Curve

SEAP72W-330

Legend:
- 1000W/m²
- 800W/m²
- 600W/m²
- 400W/m²
- 200W/m²

DIMENSION(mm)

* 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.

ELECTRICAL SPECIFICATION (STC)

Module	SEAP72W-320	SEAP72W-325	SEAC72W-330
Rated Power (Pmpp) (W)	320±3%	325±3%	330±3%
Rated Current (Impp) (A)	8.56	8.64	8.71
Rated Voltage (Vmpp) (V)	37.54	37.64	37.89
Short Circuit Current (Isc) (A)	8.98±3%	9.06±3%	9.14±3%
Open Circuit Voltage (Voc) (V)	45.89±3%	46.12±3%	46.41±3%
Efficiency(%)	16.4	16.6	16.9
Operational Temperature	-40~+85℃		
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.
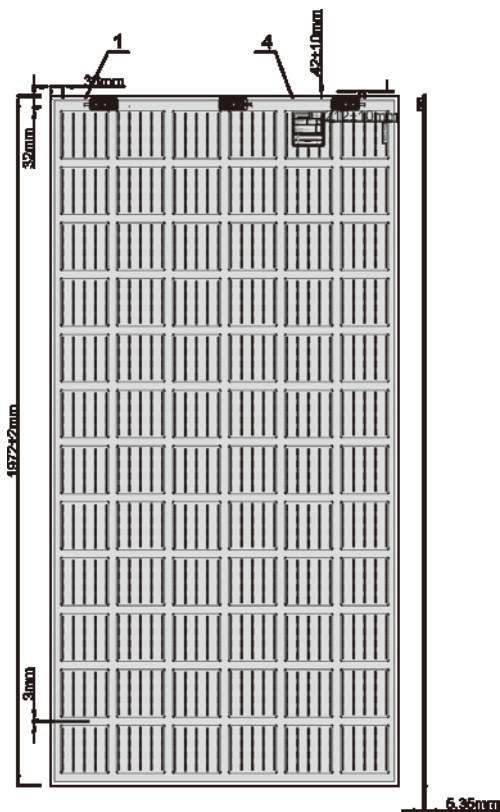
ELECTRICAL DATA (NOCT)

Maximum Power (Pmax) (W)	239.43	242.88	246.49
Maximum Power Voltage (Vmp) (V)	35.26	35.45	35.66
Maximum Power Current (Imp) (A)	6.79	6.85	6.91
Open Circuit Voltage (Voc) (V)	42.90	43.11	43.39
Short Circuit Current (Isc) (A)	7.24	7.30	7.37

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

MECHANICAL SPECIFICATION

Cell Type	Poly-crystaline
Cell Orientation	156.75mm × 156.75mm
Module Dimensions	1972mm × 992mm × 5mm (J-box and edge sealing not included)
Weight	24.0kg
Front Glass	2mm tempered AR glass
Encapsulant	POE
Back Glass	2mm ceramic coated glass
Junction Box	IP68 (three bypass diodes)
Cable	4mm²
Connector	Z4S-abcde

TEMPERATURE COEFFICIENT

NOCT(Nominal Operating Cell Temperature)	45±2℃
Temperature Coefficient of Isc	+0.0446%/℃
Temperature Coefficient of Voc (β)	-0.2913%/℃
Temperature Coefficient of Pmpp (γ)	-0.3804%/℃

PACKAGING CONFIGURATION

Modules per box	33 pieces
Modules per 40' container	726 pieces