

# Almaden

PTEROSAUR®  
DUAL GLASS MODULE

## SEAC72W

### 360-375W

2mm+2mm  
Thickness

19.2%  
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



PID free by frameless design



Fully symmetrical structure to prevent micro crack



Encapsulate with POE, lower waterpermeability, to avoid delamination



No snail trail



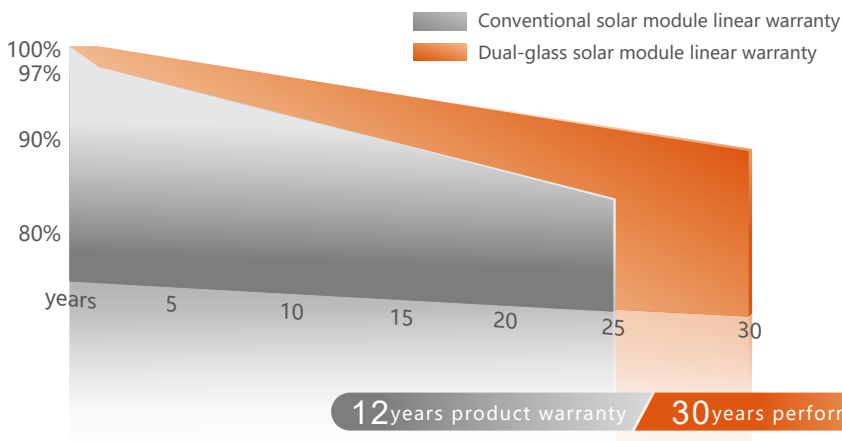
Highly anti-corrosion, such as ammonia or saline



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



### Dual-glass solar module linear warranty



Version: AMD-CHN-NOV-17



[www.czamd.com](http://www.czamd.com)

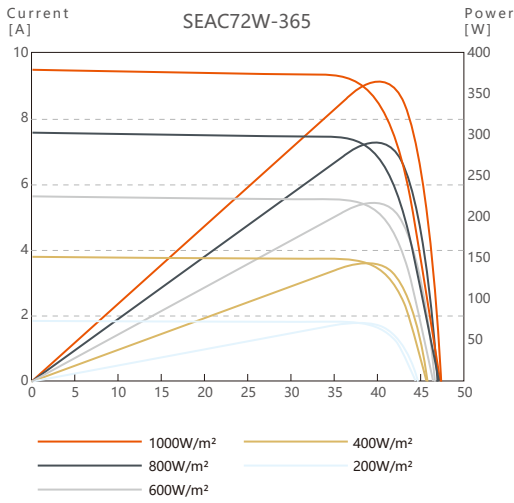
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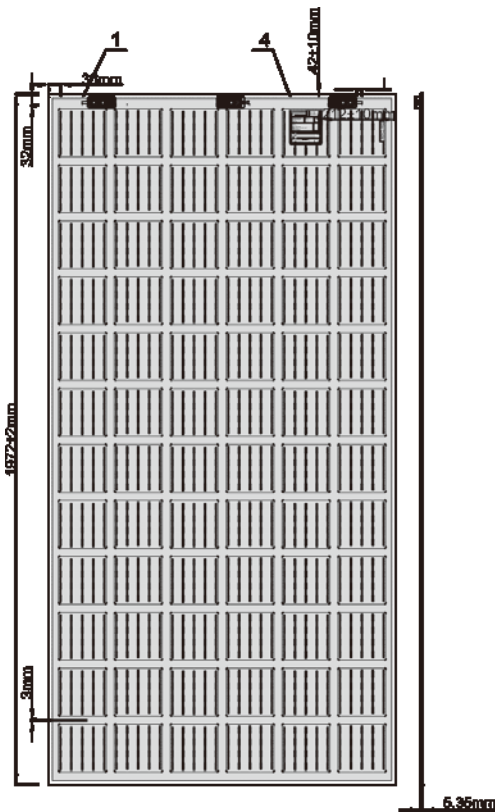


# DUAL GLASS MODULE

### I-V & P-V Curve



### DIMENSION(mm)



### ELECTRICAL SPECIFICATION (STC)

Module	SEAC72W -360	SEAC72W -365	SEAC72W -370	SEAC72W -375
Rated Power (Pmpp) (W)	360	365	370	375
Power Output Tolerance (W)	0~+5			
Rated Current (Impp) (A)	9.25	9.30	9.39	9.47
Rated Voltage (Vmpp) (V)	38.92	39.25	39.41	39.60
Short Circuit Current (Isc) (A)	9.68	9.77	9.85	9.94
Open Circuit Voltage (Voc) (V)	47.84	47.94	48.01	48.16
Efficiency(%)	18.4	18.7	18.9	19.2
Operational Temperature	-40~+85°C			
Maximum Static Load	5400Pa			
Maximum Wind Load	2400Pa			
Maximum System Voltage	IEC:1000/1500V			
Maximum Series Fuse Rating	20A			

STC: Irradiance 1000W/m<sup>2</sup>, Cell Temperature 25°C, Air Mass AM1.5.

### ELECTRICAL DATA (NOCT)

	266.48	269.94	273.59	277.11
Maximum Power (Pmax) (W)				
Maximum Power Voltage (Vmp) (V)	36.42	36.55	36.68	36.84
Maximum Power Current (Imp) (A)	7.32	7.38	7.46	7.52
Open Circuit Voltage (Voc) (V)	44.43	44.51	44.58	44.70
Short Circuit Current (Isc) (A)	7.79	7.86	7.92	8.00

NOCT: Irradiance at 800W/m<sup>2</sup>, Ambient Temperature 20°C, Wind Speed 1m/s.

### MECHANICAL SPECIFICATION

Cell Type	Perc Mono-crystalline
Cell Orientation	156.75mm × 156.75mm
Module Dimensions	1972±2mm × 992±2mm × 5mm (J-box and edge sealing not included)
Weight	23.3kg
Front Glass	2mm tempered AR glass
Encapsulant	POE
Back Glass	2mm ceramic coated glass
Junction Box	IP68 (three bypass diodes)
Cable	4mm <sup>2</sup>
Connector	MC4 / MC4 equivalent

### 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	33 pieces
Modules per 40' container	726 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.