

**2mm+2mm**

Thickness

**19.6 kg**

Weight

**17.3%**

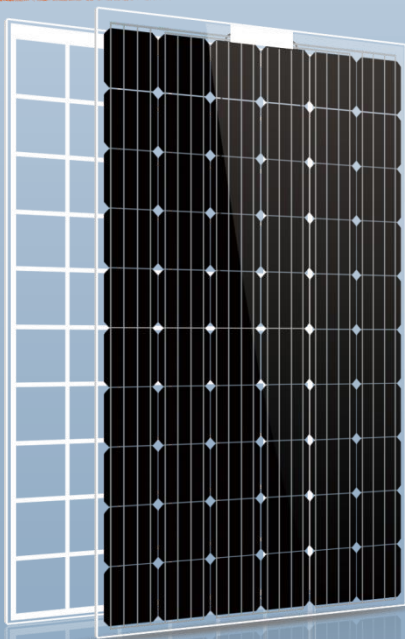
Max efficiency

**60 cells**

Monocrystalline

**270-285W**

Power Output

**FRAMELESS**

# PTEROSAUR<sup>®</sup>

## DUAL GLASS MODULE



### Super Weather Resistance

Absolute water-proof, Anti-corrosion by acid, alkaline and ammonia, Anti-friction. Better thermal dissipation. 30+ years without worry.



### PID Free

Potential induced degradation (PID) free guaranteed.



### Micro-Crack Free

No micro-cracks under harsh transportation, complicated handling and installation conditions, and during lifetime module operation.



### Fire Class A

Glass-glass design helps to save module from damages caused by arc and hot spots, eliminating potential dangers of fire.



### Extended warranty

- 10 years product warranty on workmanship & materials.
- 30 years linear power output warranty.



### Cleaning with ease

Frameless design, no dust trapped on the edge.

## ELECTRICAL SPECIFICATION (STC)

Module	SEAM60T-270 SEAM60W-270	SEAM60T-275 SEAM60W-275	SEAM60T-280 SEAM60W-280	SEAM60T-285 SEAM60W-285
Rated Power (P <sub>mpp</sub> )	270W <sup>+5/-0</sup>	275W <sup>+5/-0</sup>	280W <sup>+5/-0</sup>	285W <sup>+5/-0</sup>
Rated Current (I <sub>mpp</sub> )	8.67A	8.71A	8.81A	8.89A
Rated Voltage (V <sub>mpp</sub> )	31.15V	31.58V	31.79V	32.06V
Short Circuit Current (I <sub>sc</sub> )	9.02A	9.18A	9.28A	9.37A
Open Circuit Voltage (V <sub>oc</sub> )	38.43V	38.67V	39.15V	39.47V
Efficiency	16.4%	16.7%	17.0%	17.3%

## MECHANICAL SPECIFICATION

Cell Type	Mono-crystalline
Cell Dimension	156.75mm × 156.75mm
Module Dimension	1662mm × 990mm × 5mm (J-box not included)
Weight	19.6kg
Front Glass	2mm tempered AR glass
Encapsulant	POE
Back Glass	2mm tempered glass / 2mm ceramic coated glass
Junction Box	IP67 (three bypass diodes)
Cable	4.0mm <sup>2</sup>
Connector	LCS-R1 (MC4 equivalent)

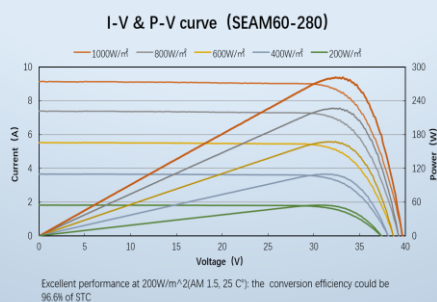
## TEMPERATURE COEFFICIENT

Nominal Operating Cell Temperature	NOCT	°C	45±2
Temperature Coefficient of I <sub>sc</sub>	α	%/°C	+0.032
Temperature Coefficient of V <sub>oc</sub>	β	%/°C	-0.305
Temperature Coefficient of P <sub>mpp</sub>	γ	%/°C	-0.404

## LIMITS

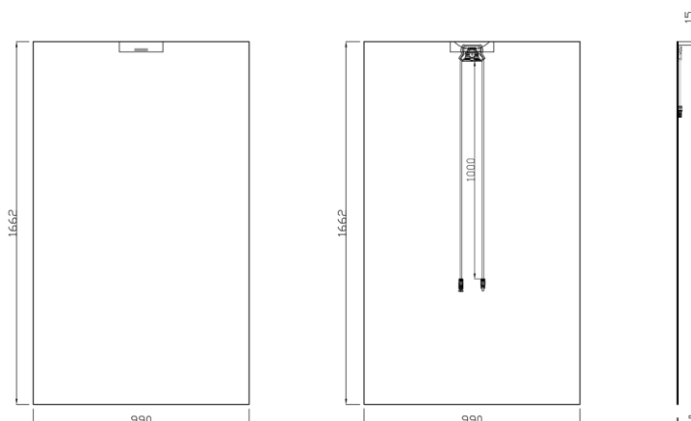
Operational Temperature	°C	-40 ~ +85
Maximum Static Load	Pa	5400
Maximum Wind Load	Pa	2400
Maximum System Voltage	V(DC)	IEC:1000 UL:1000
Maximum Series Fuse Rating	A	15

## DIMENSION(mm)



## Packaging Configuration

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



AMD-EN-APR-17