Almaden®

2mm+2mm
Thickness

19 kg
Weight

10.7%
Max efficiency

40 cells
Monocrystalline

41%
Transparency

160-175W
Power Output

SEAM40

FRAMELESS

PTEROSAUR®
DUAL GLASS MODULE

Aesthetic view
The see-through design delivers unique aesthetic sense. It's the ideal option as sunlight roofs, corridors, patios and canopies for greenhouses, home and resorts.

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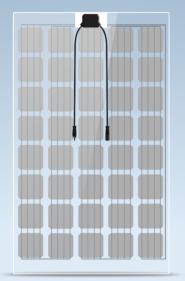
Extended warranty
• 10 years product warranty on workmanship & materials.
• 30 years linear power output warranty.

Cleaning with ease
Frameless design, no dust trapped on the edge.

ELECTRICAL SPECIFICATION (STC)

Module	SEAM40-160	SEAM40-165	SEAM40-170	SEAM40-175
Rated Power (Pmpp)	160W	165W	170W	175W
Rated Current (Impp)	7.59A	8.05A	8.11A	8.16A
Rated Voltage (Vmpp)	20.57V	20.87V	21.17V	21.47V
Short Circuit Current (Isc)	8.30A	8.45A	8.59A	8.74A
Open Circuit Voltage (Voc)	29.72V	29.76V	29.79V	29.82V

MECHANICAL SPECIFICATION

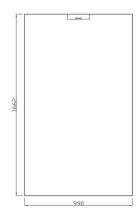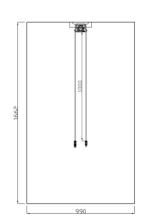|	
Cell Type	Mono-crystalline
Cell Dimension	156.75mm × 156.75mm
Module Dimension	1662mm × 990mm × 5mm (J-box not included)
Weight	19kg
Front Glass	2mm tempered AR glass
Back Glass	2mm tempered glass

TEMPERATURE COEFFICIENT

Nominal Operating Cell Temperature	NOCT	°C	46±2
Temperature Coefficient of Isc	α	%/°C	+0.08
Temperature Coefficient of Voc	β	%/°C	-0.38
Temperature Coefficient of Pmpp	γ	%/°C	-0.49

LIMITS

Operational Temperature	°C	-40~+85
Maximum Static Load	Pa	5400
Maximum Wind Load	Pa	2400
Maximum System Voltage	V(DC)	IEC:1000 UL:600
Maximum Series Fuse Rating	A	15

DIMENSION(mm)

AMD-EN-APR-16.5

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