

See-thru glass-glass PV module

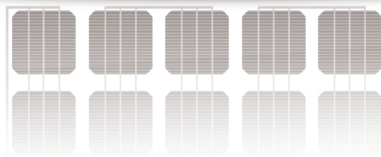
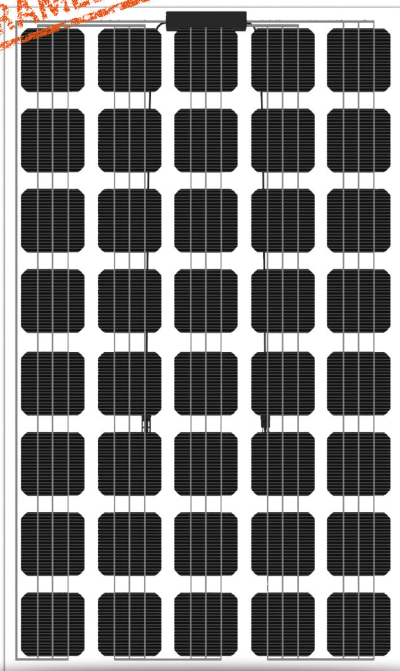
BIPV materials for solar greenhouses & shadings

SEAM40 SERIES

SEAM40-160/165/170/175

Transparency: 35%

FRAMELESS



CERTIFIED TO
IEC61215 / IEC61730



Sleek module design – Ultrathin-Ultralight

No frame, no back sheet. 2mm physically tempered glass exclusively as front and back protection material.



Outstanding wind/snow load performance

Certified to withstand high wind loads of 2400pa & snow loads of 5400pa.



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.



Supreme fire resistancy

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



Superior weak light performance

Outstanding weak light performance guaranteed by Almaden's anti-reflective nano-coating technology.



Extended warranty

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



Positive power output tolerance

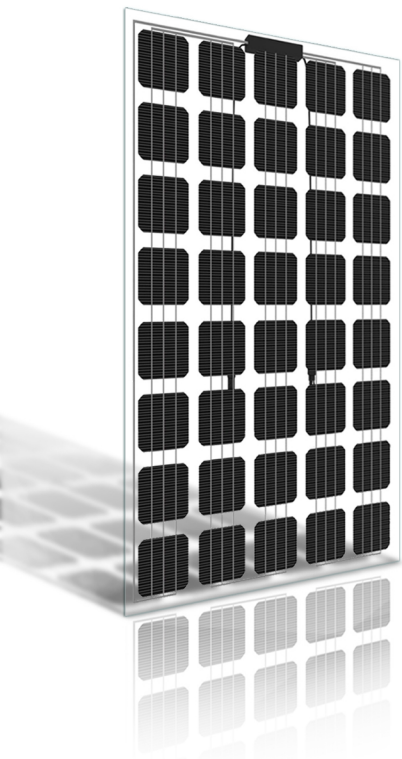
0/+5W positive tolerance.



Cleaning with ease

Frameless design, no dust trapped on the edge.

Performance test



SEAM40

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ELECTRICAL SPECIFICATION (STC)

Model	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	156mm × 156mm (6" × 6")
Mouldle Dimension	1652mm × 986mm × 5mm(J-box not included)
Weight	19kg
Front Glass	2mm tempered AR glass
Back Glass	2mm tempered glass

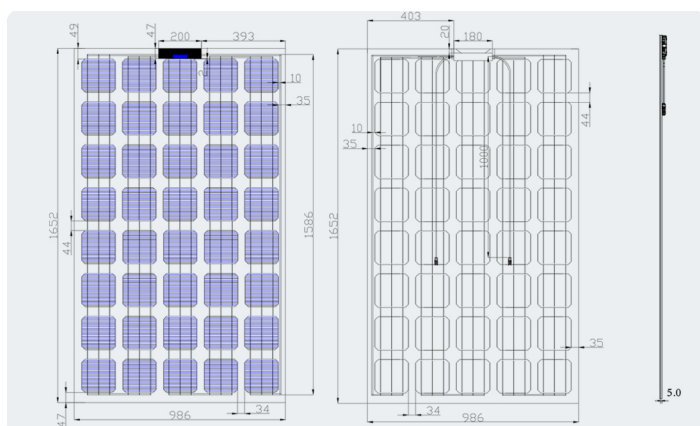
TEMPERATURE COEFFICIENT

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)



Almaden®