



Polycrystalline Solar Module---SSxxx-72P

SS290-72P

SS285-72P SS280-72P
SS275-72P SS270-72P



KEY FEATURES

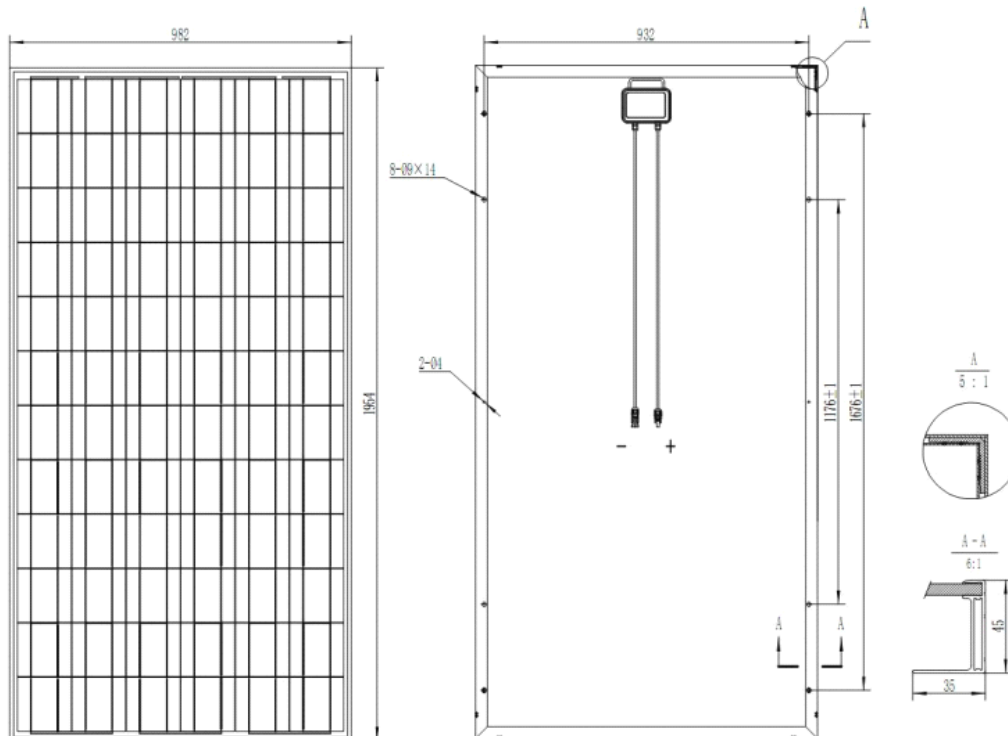
- Guaranteed positive tolerance 0/+5W ensures output reliability
- Strong aluminum frames can bear snow loads up to 5400Pa and wind loads up to 2400Pa.
- Excellent performance under low light environments(morning evenings and cloudy days).
- 12 years for product defects in materials and workmanship and 25 years for 80% of warranted minimum power.
- Certifications and standards: IEC61215, IEC61730, conformity to CE.
- Manufactured according to International Quality(ISO9001).



Electrical Characteristics

All specified Parameters are at STC 25°C Ambient, 1000W/m² irradiance and AM 1.5

Type		SS270-72P	SS275-72P	SS280-72P	SS285-72P	SS290-72P
Max-Power	Pm(W)	270	275	280	285	290
Module Power Range	(W)	275>Pm≥270	280>Pm≥275	285>Pm≥280	290>Pm≥285	295>Pm≥290
Power Tolerance	(W)	+0~+5	+0~+5	+0~+5	+0~+5	+0~+5
Max-Power Voltage	Vm(V)	35.5	35.6	35.7	35.8	35.9
Max-Power Current	Im(A)	7.61	7.73	7.85	7.97	8.08
Open-Circuit Voltage	Voc(V)	44.1	44.2	44.3	44.4	44.5
Short-Circuit Current	Isc(A)	8.19	8.30	8.40	8.51	8.62
Cell Efficiency	(%)	15.7	16.0	16.3	16.6	16.9
Module Efficiency	(%)	14.1	14.3	14.6	14.9	15.1
Max-System Voltage	(VDC)	1000V(IEC)				
Max.Series Fuse	(A)	15				
Pm Temperature Coefficients	(%/°C)	-0.4336				
Isc Temperature Coefficients	(%/°C)	0.0825				
Voc Temperature Coefficients	(%/°C)	-0.4049				
NOCT Nominal Operating Cell Temperature		45±2°C				
Maximum load rating		5400Pa				



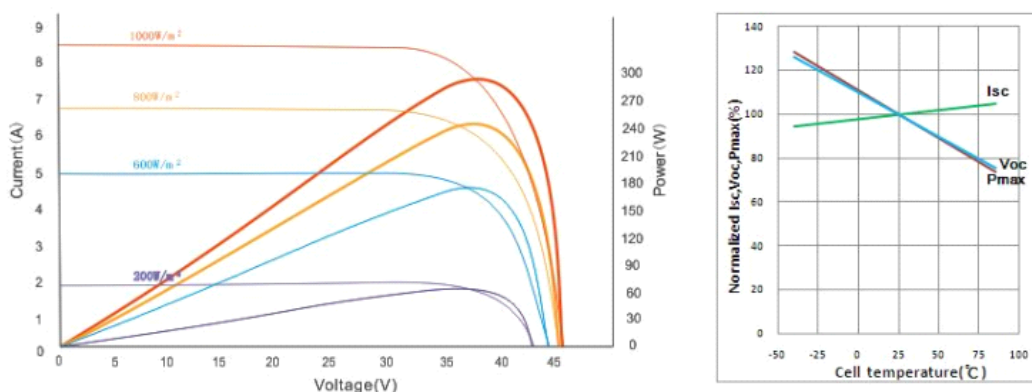
Packaging Configuration

Packing Configuration	22 pcs/box
Quantity/Pallet	44 pcs/pallet
Loading Capacity	552 pcs/40ft(H)

Absolute Ratings

Dielectric Insulation Voltage	3000V
Operating Temperature (°C)	-40~+85
Storage Temperature (°C)	-40~+85

I-V Curves



I-V Curves at different Irradiances (AM1.5 25°C)

Specifications included in this datasheet are subject to change without prior notice

Mechanical Characteristics

Cable type, Diameter and Length	4mm ² , TUV certified, 900mm
Type of Connector	Compatible with 05-6 plug
Number, type and arrangement of cells	72Pcs, Poly-Crystalline Silicon(6×12)
Cell Size (mm)	156×156
Dimension (mm)	1954×982×45
Weight (Kg)	28
No.of Draining Holes in Frame	10
Glass, Type and Thickness	High Transmission, Low Iron, Tempered Glass 4.0mm

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