



SS310-72M

SS285-72M SS280-72M



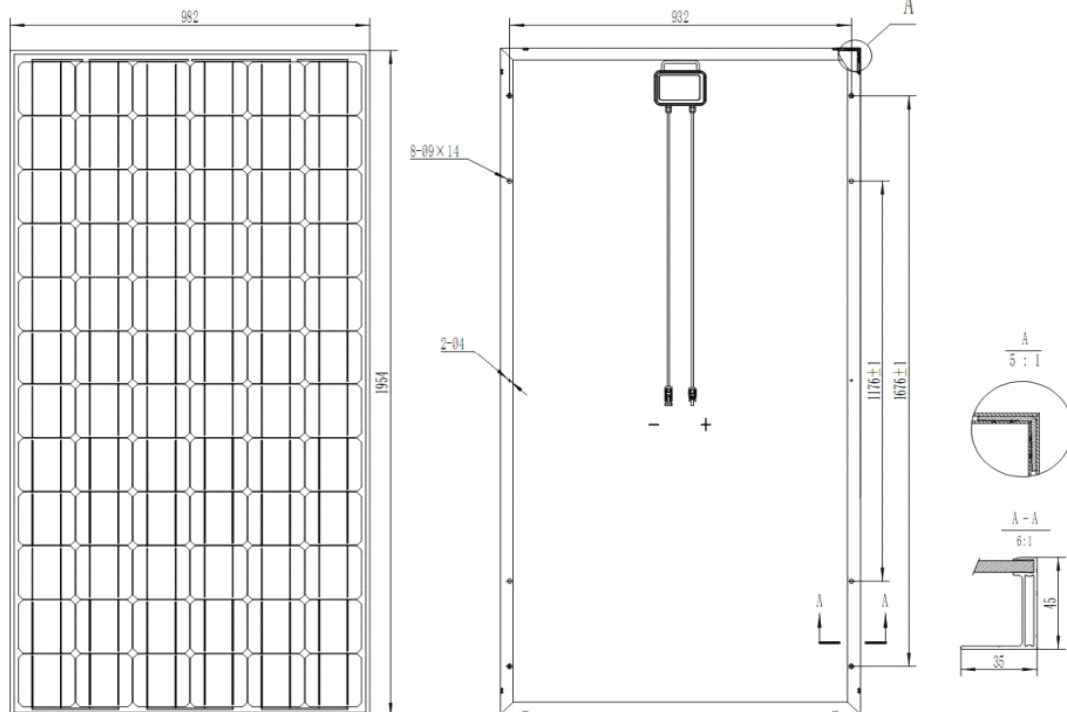
- Guaranteed positive tolerance 0/+5W ensures output reliability
- Strong aluminum frames can bear snow loads up to 5400Pa and wind loads up to 2400Pa.
- Excellent performance under low light environments(morning evenings and cloudy days).
- 12 years for product defects in materials and workmanship and 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	SS280-72M	SS285-72M	SS290-72M	SS295-72M	SS300-72M	SS305-72M	SS310-72M
Max-Power Pm(W)	280	285	290	295	300	305	310
Module Power Range (W)	285>Pm≥280	290>Pm≥285	295>Pm≥290	300>Pm≥295	305>Pm≥300	310>Pm≥305	315>Pm≥310
Power Tolerance (W)	+0~+5	+0~+5	+0~+5	+0~+5	+0~+5	+0~+5	+0~+5
Max-Power Voltage Vm(V)	36.1	36.2	36.3	36.4	36.5	36.6	36.7
Max-Power Current Im(A)	7.76	7.88	8.00	8.11	8.22	8.33	8.45
Open-Circuit Voltage Voc(V)	44.5	44.6	44.7	44.8	44.9	50.0	50.1
Short-Circuit Current Isc(A)	8.28	8.39	8.50	8.61	8.72	8.83	8.94
Cell Efficiency (%)	17.0	17.3	17.6	17.9	18.2	18.5	18.8
Module Efficiency (%)	14.6	14.9	15.1	15.4	15.6	15.9	16.1
Max-System Voltage (VDC)	1000V(IEC)						
Max.Series Fuse (A)	15						
Pm Temperature Coefficients (%/℃)	-0.4677						
Isc Temperature Coefficients (%/℃)	0.0492						
Voc Temperature Coefficients (%/℃)	-0.3374						
NOCT Nominal Operating Cell Temperature	45±2℃						
Maximum load rating	5400Pa						



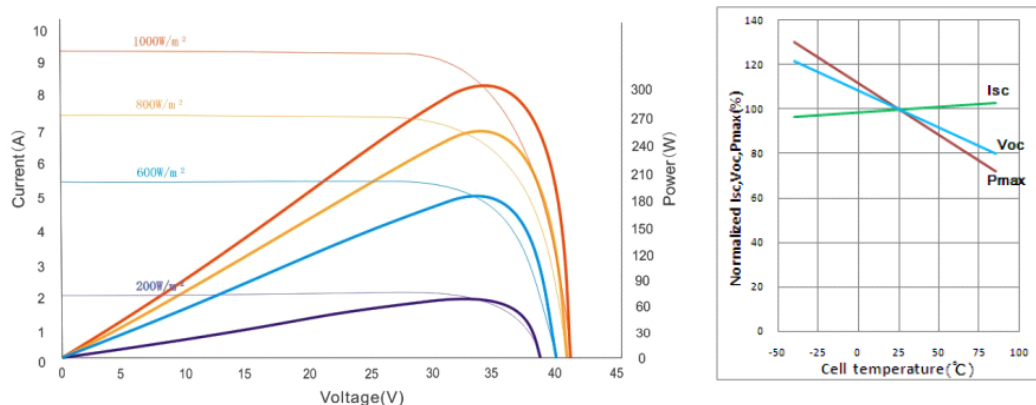
Packaging Configuration

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, Mono-Crystalline Silicon(6×12)
Cell Size (mm)	156×156(D200)
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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