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Solar Panel Guide Specification Data Sheet

Jiangyin Shine Science and Technology Co., Ltd.

SS270-96M

SS245-96M

Also available on the web at

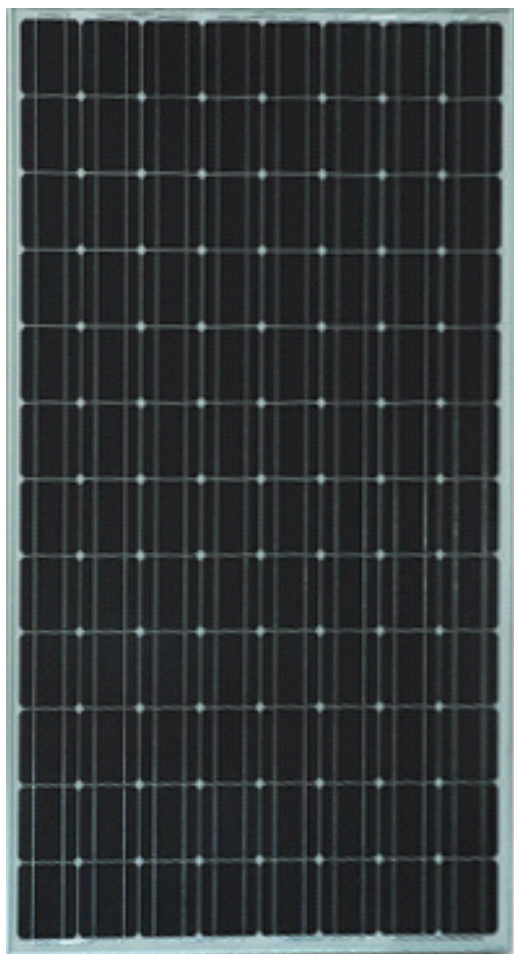
EnergyPal.com/jiangyin-shine-science-and-technology-co-ltd-solar-panels/ss245-96m



Monocrystalline Solar Module---SSxxx-96M

SS270-96M

SS265-96M SS260-96M
 SS255-96M SS250-96M
 SS245-96M SS240-96M



KEY FEATURES

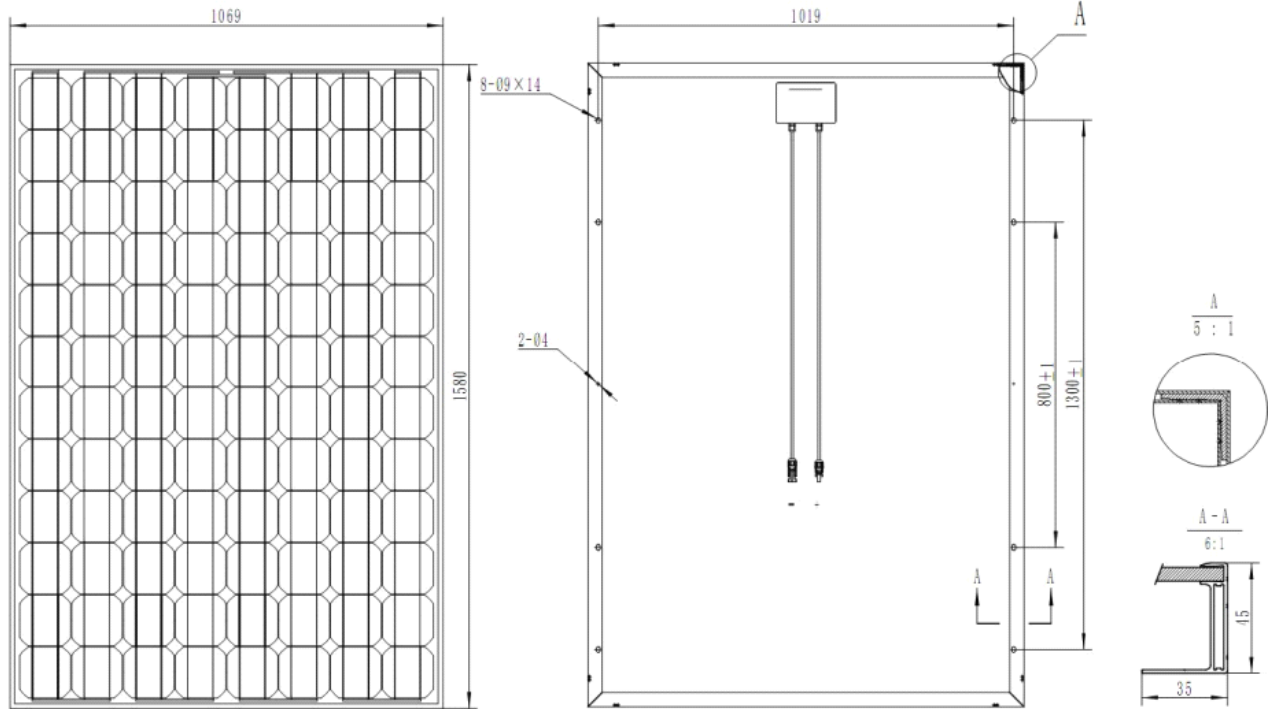
- Guaranteed positive tolerance 0/+5W ensures output reliability.
- Strong aluminum frames can bear snow loads up to 5400Pa and wind loads up to 2400Pa.
- Excellent performance under low light environments(morning evenings and cloudy days).
- 12 years for product defects in materials and workmanship 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		SS240-96M	SS245-96M	SS250-96M	SS255-96M	SS260-96M	SS265-96M	SS270-96M
Max-Power	Pm(W)	240	245	250	255	260	265	270
Module Power Range	(W)	245>Pm≥240	250>Pm≥245	255>Pm≥250	260>Pm≥255	265>Pm≥260	270>Pm≥265	275>Pm≥270
Power Tolerance	(W)	+0~+5	+0~+5	+0~+5	+0~+5	+0~+5	+0~+5	+0~+5
Max-Power Voltage	Vm(V)	48.2	48.5	48.8	49.1	49.4	49.7	50.0
Max-Power Current	Im(A)	4.98	5.06	5.13	5.20	5.27	5.34	5.40
Open-Circuit Voltage	Voc(V)	59.5	59.6	59.8	59.9	60.0	60.1	60.2
Short-Circuit Current	Isc(A)	5.34	5.42	5.49	5.56	5.63	5.70	5.76
Cell Efficiency	(%)	16.8	17.2	17.5	17.9	18.2	18.6	18.9
Module Efficiency	(%)	14.2	14.5	14.8	15.1	15.4	15.7	16.0
Max-System Voltage	(VDC)	1000V(IEC)						
Max.Series Fuse	(A)	10						
Pm Temperature Coefficients	(%/°C)	-0.4601						
Isc Temperature Coefficients	(%/°C)	0.0981						
Voc Temperature Coefficients	(%/°C)	-0.5186						
NOCT Nominal Operating Cell Temperature		45±2°C						
Max-System Voltage	(VDC)	1000V(IEC)						



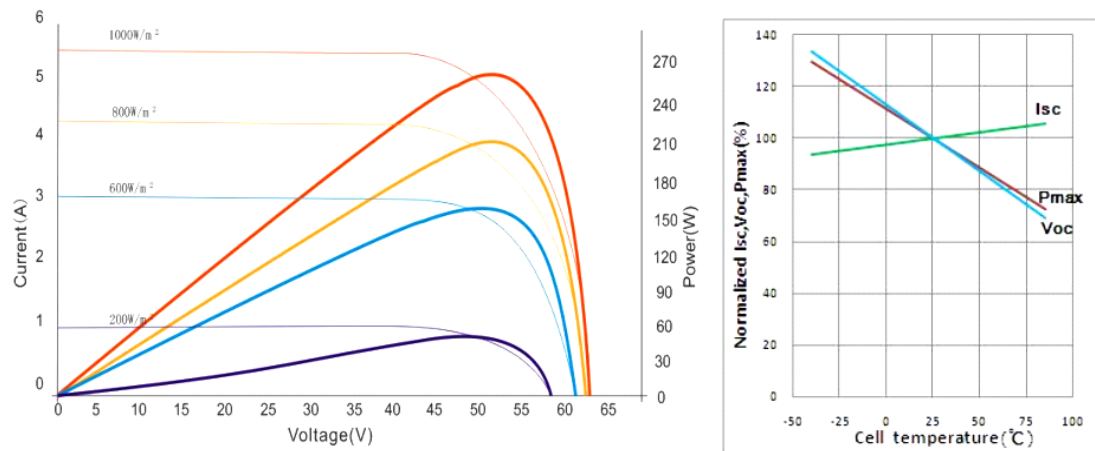
Packaging Configuration

Packing Configuration	22 pcs/box
Quantity/Pallet	44 pcs/pallet
Loading Capacity	644 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	96pcs, Mono-Crystalline Silicon(8×12)
Cell Size (mm)	125×125(D165)
Dimension (mm)	1580×1069×45
Weight (Kg)	21
No.of Draining Holes in Frame	10
Glass, Type and Thickness	High Transmission, Low Iron, Tempered Glass 3.2mm

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