

For a Free Quote:

Web: EnergyPal.com/solar

Call: 1-800-990-3725

Email: contact@energypal.com

EnergyPal

Solar Panel Guide Specification Data Sheet

Jiangyin Shine Science and Technology Co., Ltd.

SS270-96M

SS250-96M

Also available on the web at

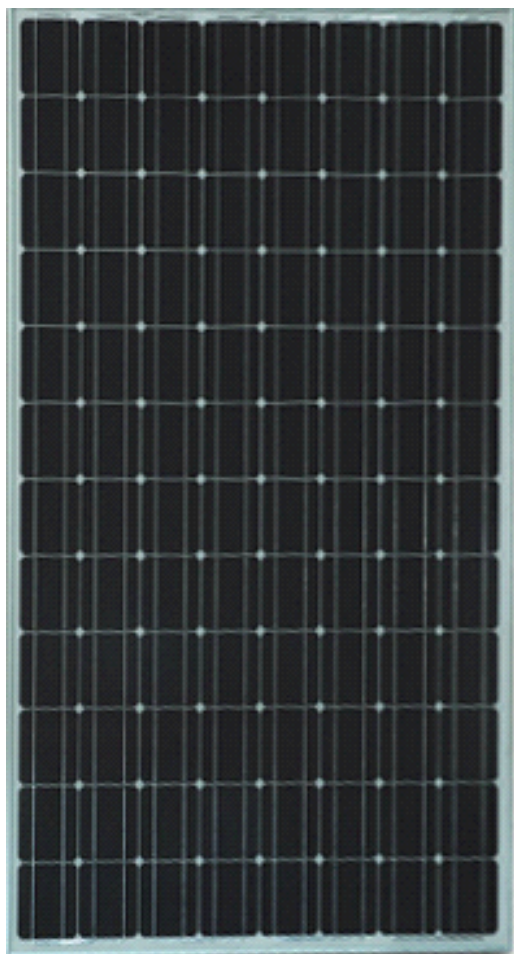
EnergyPal.com/jiangyin-shine-science-and-technology-co-ltd-solar-panels/ss250-96m



Monocrystalline Solar Module---SSxxx-96M

SS270-96M

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



KEY FEATURES

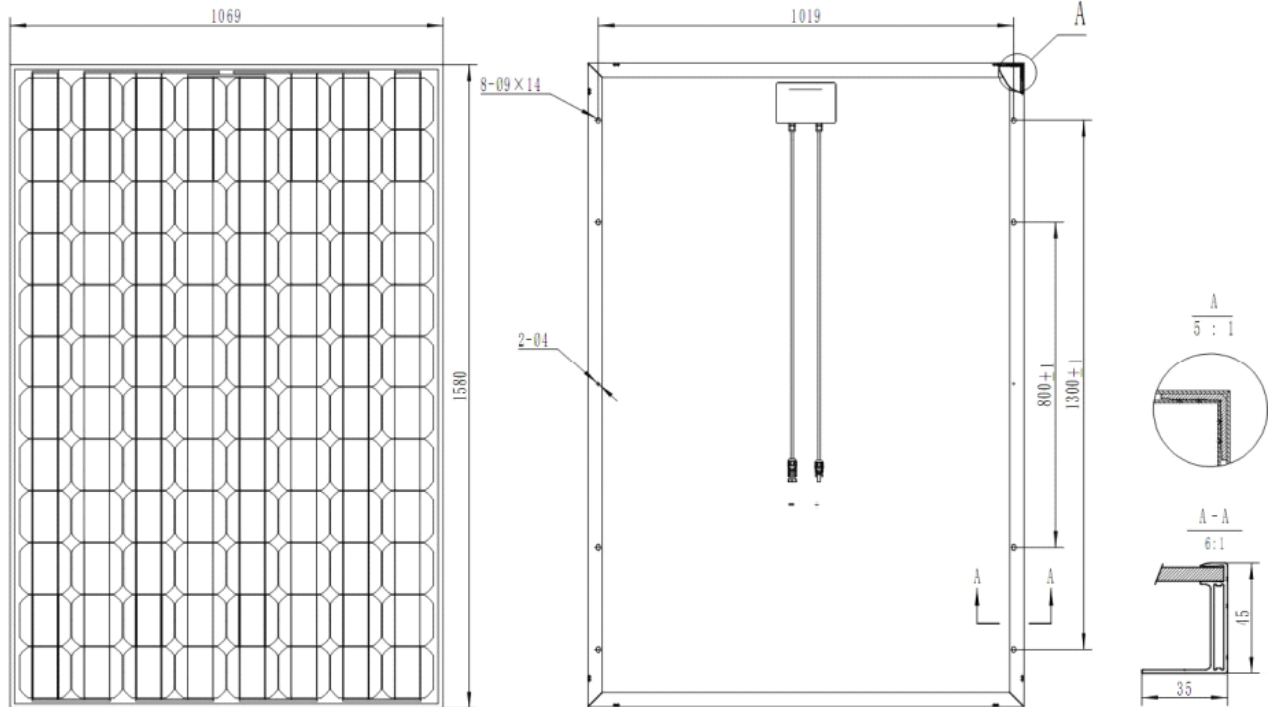
- Guaranteed positive tolerance 0/+5W ensures output reliability.
- Strong aluminum frames can bear snow loads up to 5400Pa and wind loads up to 2400Pa.
- Excellent performance under low light environments(morning evenings and cloudy days).
- 12 years for product defects in materials and workmanship 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)						



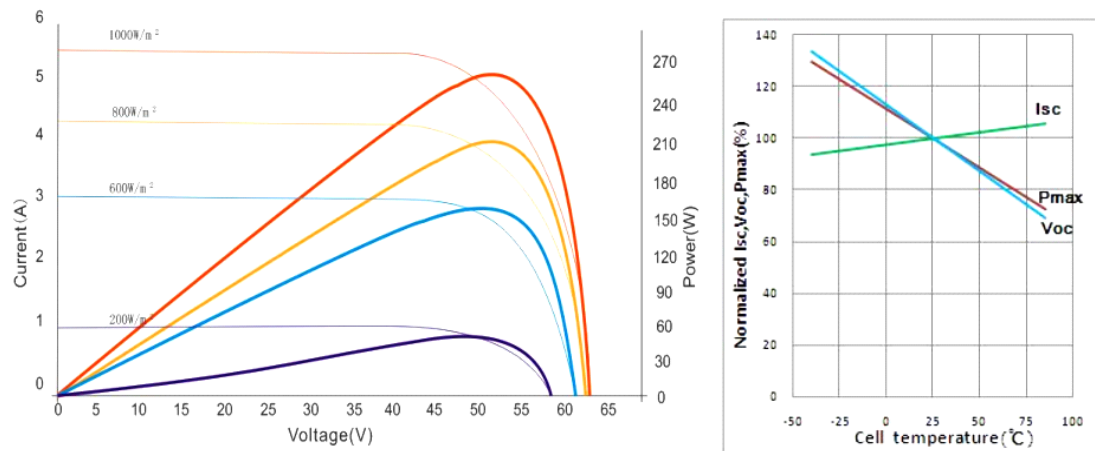
Packaging Configuration

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

Jiangyin Shine Science and Technology Co., Ltd
 NO.1199 Bingjiang Road(W), Jiangyin, Jiangsu,
 214444, China

Tel: +86-510-66285883

Fax: +86-510-66285882

E-mail: sales@shine-solar.com.cn