



Monocrystalline Solar Module---SSxxx-60M(Black)

SS250-60M

SS245-60M SS240-60M
SS235-60M SS230-60M



KEY FEATURES

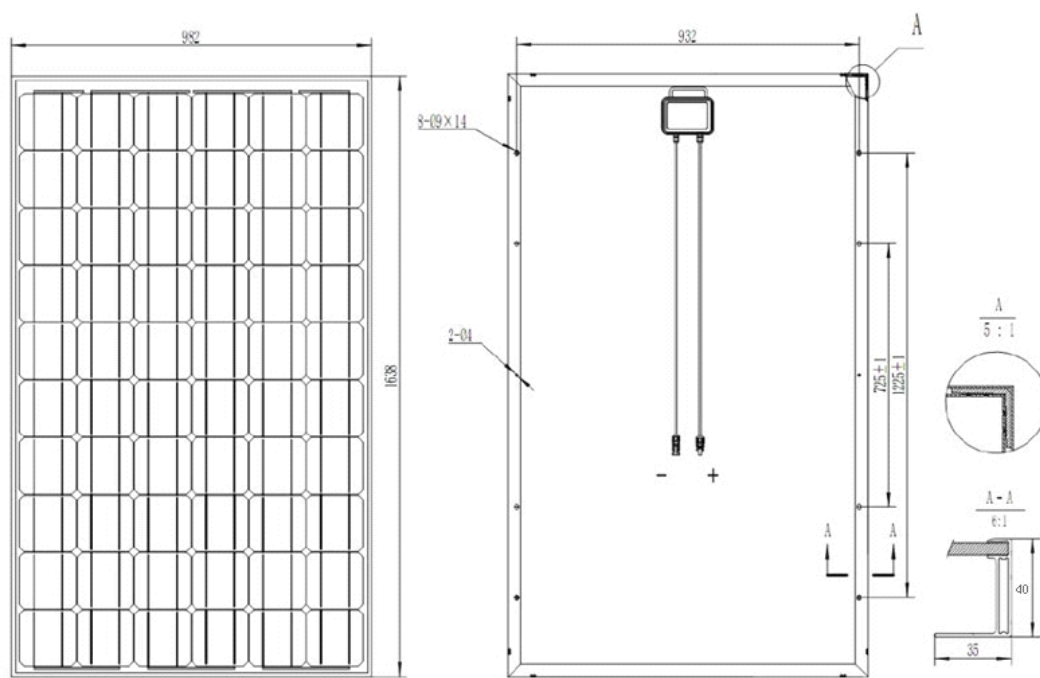
- Guaranteed positive tolerance 0/+5W ensures output reliability.
- Strong aluminum frames can bear snow loads up to 5400Pa and wind loads up to 2400Pa.
- Excellent performance under low light environments(morning evenings and cloudy days).
- 12 years for product defects in materials and workmanship 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		SS230-60M(Black)	SS235-60M(Black)	SS240-60M(Black)	SS245-60M(Black)	SS250-60M(Black)
Max-Power	Pm(W)	230	235	240	245	250
Module Power Range	(W)	235>Pm≥230	240>Pm≥235	245>Pm≥240	250>Pm≥245	Pm≥250
Power Tolerance	(W)	+0~+5	+0~+5	+0~+5	+0~+5	+0~+5
Max-Power Voltage	Vm(V)	30	30.1	30.2	30.3	30.4
Max-Power Current	Im(A)	7.67	7.81	7.95	8.09	8.23
Open-Circuit Voltage	Voc(V)	37.2	37.3	37.3	37.4	37.5
Short-Circuit Current	Isc(A)	8.18	8.3	8.43	8.55	8.68
Cell Efficiency	(%)	16.7	17.1	17.4	17.8	18.2
Module Efficiency	(%)	14.3	14.6	14.9	15.2	15.5
Max-System Voltage	(VDC)	1000V(IEC)				
Max.Series Fuse	(A)	15				
Pm Temperature Coefficients	(%/°C)	-0.4677				
Isc Temperature Coefficients	(%/°C)	0.0492				
Voc Temperature Coefficients	(%/°C)	-0.3374				
NOCT	Nominal Operating Cell Temperature	45±2°C				
Maximum load rating		5400Pa				



Packaging Configuration

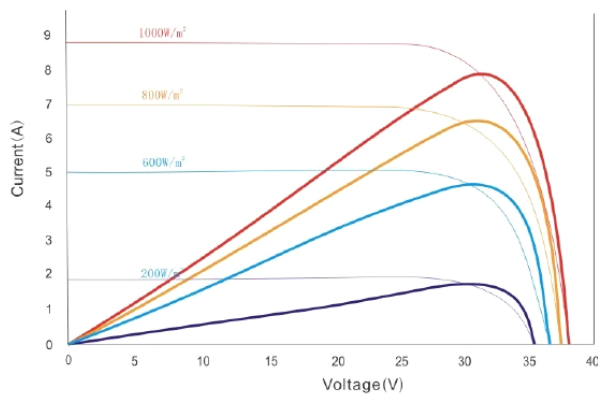
Packing Configuration	24 pcs/box
Quantity/Pallet	48 pcs/pallet
Loading Capacity	728 pcs/40ft(H)

Absolute Ratings

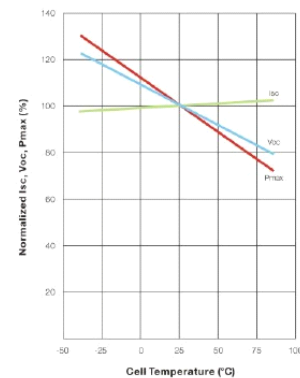
Dielectric Insulation Voltage	3000V
Operating Temperature (°C)	-40~+85
Storage Temperature (°C)	-40~+85

I-V Curves

I-V Curves at different Irradiances



Temperature Coefficients



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	60pcs, Poly-Crystalline Silicon(6×10)
Cell Size (mm)	156×156
Dimension (mm)	1638×982×40
Weight (Kg)	19
No.of Draining Holes in Frame	10
Color of frame	Black
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