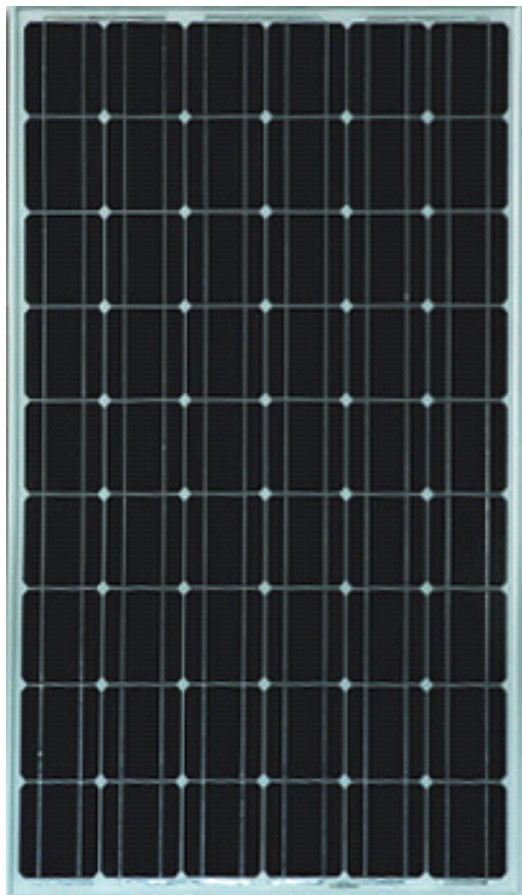




# Monocrystalline Solar Module---SSxxx-54M

## SS230-54M

SS225-54M SS220-54M  
SS215-54M SS210-54M



### KEY FEATURES

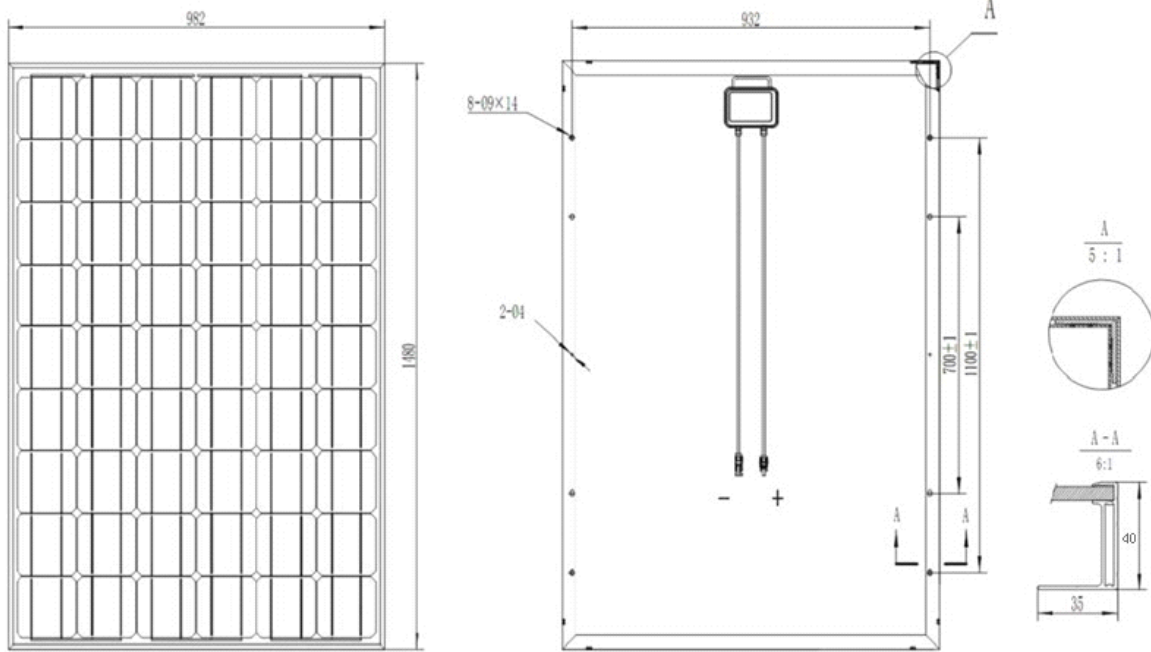
- Guaranteed positive tolerance 0/+5W ensures output reliability.
- Strong aluminum frames can bear snow loads up to 5400Pa and wind loads up to 2400Pa.
- Excellent performance under low light environments(morning evenings and cloudy days).
- 12 years for product defects in materials and workmanship 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/m<sup>2</sup> irradiance and AM 1.5

Type		SS210-54M	SS215-54M	SS220-54M	SS225-54M	SS230-54M
Max-Power	Pm(W)	210	215	220	225	230
Module Power Range	(W)	215>Pm≥210	220>Pm≥215	225>Pm≥220	230>Pm≥225	235>Pm≥230
Power Tolerance	(W)	+0~+5	+0~+5	+0~+5	+0~+5	+0~+5
Max-Power Voltage	Vm(V)	27.2	27.3	27.4	27.5	27.6
Max-Power Current	Im(A)	7.73	7.89	8.04	8.19	8.34
Open-Circuit Voltage	Voc(V)	33.5	33.6	33.7	33.8	33.9
Short-Circuit Current	Isc(A)	8.26	8.41	8.56	8.71	8.86
Cell Efficiency	(%)	17.0	17.4	17.8	18.2	18.6
Module Efficiency	(%)	14.4	14.8	15.1	15.5	15.8
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				



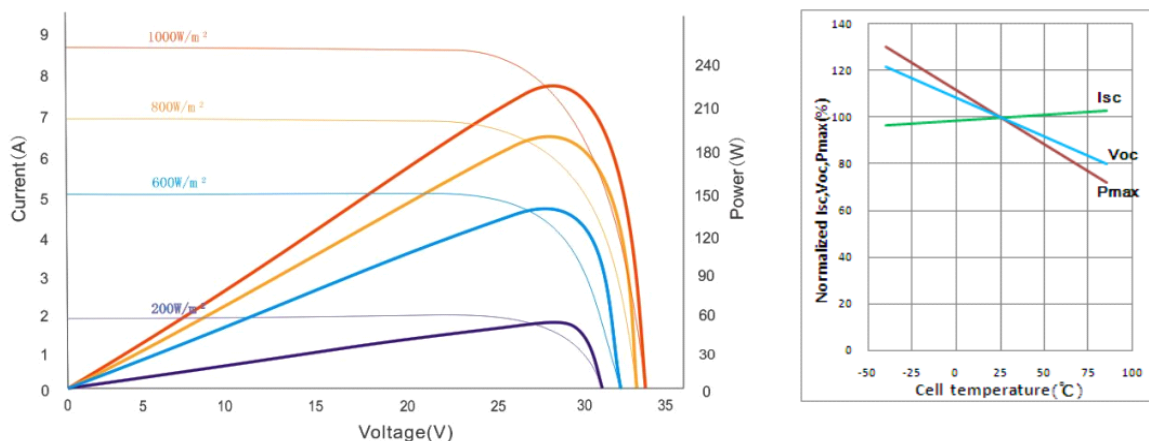
## Packaging Configuration

Packing Configuration	24 pcs/box
Quantity/Pallet	48 pcs/pallet
Loading Capacity	780 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 <sup>2</sup> , TUV certified, 900mm
Type of Connector	Compatible with 05-6plug
Number, type and arrangement of cells	54pcs, Mono-Crystalline Silicon(6×9)
Cell Size (mm)	156×156(D200)
Dimension (mm)	1480×982×40
Weight (Kg)	17
No.of Draining Holes in Frame	10
Glass, Type and Thickness	High Transmission, Low Iron, Tempered Glass 3.2mm

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