



SS85W-105W M Monocrystalline



High conversion efficiency
High module efficiency to guarantee power output.



Self-cleaning glass
Coating glass for self-cleaning, reduce surface dust.



Outstanding low irradiation performance
Excellent module efficiency even in the weak light conditions, such as morning or cloudy.



Excellent loading capability
2400Pa wind loads, 5400Pa snow loads.

0 to +5W

0 to +5W positive tolerance
Detailed information in Electrical Specifications.

48

48-hour response service



25 25-year performance warranty

10 10-year warranty on materials and workmanship

ALL SPECIFIED PARAMETERS ARE AT STC 25°C AMBIENT, 1000W/M² IRRADIANCE AND AM 1.5

ELECTRICAL SPECIFICATIONS

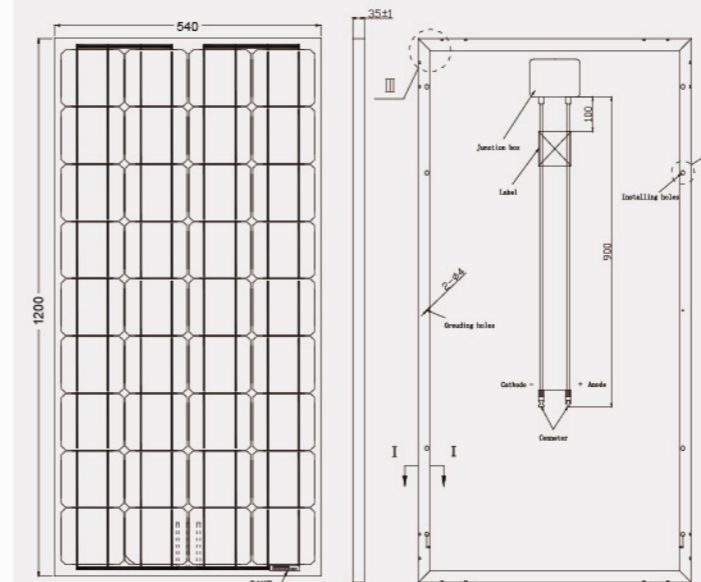
Model Type	SS85-36M	SS90-36M	SS95-36M	SS100-36M	SS105-36M
Max Power	85	90	95	100	105
Power Tolerance	0~+5	0~+5	0~+5	0~+5	0~+5
Max-Power Voltage (Vmp)	17.24	18.0	18.3	18.8	19.15
Max-Power Current (Imp)	4.94	5.01	5.19	5.32	5.48
Open Circuit Voltage (Voc)	24.45	22.15	22.55	23.0	23.3
Short Circuit Voltage (Isc)	5.28	5.38	5.52	5.60	5.88
Cell Efficiency (%)	16.0	17.0	17.8	18.6	19.2
Module Efficiency (%)	13.1	13.9	14.7	15.4	16.2
Max-System Voltage (VDC)	600				
Max Series Fuse Rating (A)	15				
Pmax Temperature Coefficiency (%/°C)	-0.44				
Voc Temperature Coefficiency (%/°C)	-0.3				
Isc Temperature Coefficiency (%/°C)	0.04				
Nominal Operating Cell Temperature (NOCT)	45±2°C				
Operating Temperature	-40~+85°C				

MECHANICAL SPECIFICATIONS

External Dimensions	1200*540*35 mm
Weight	7.5 Kg
Solar Cell	Monocrystalline 125*125mm (36pcs)
Front glass	3.2mm tempered glass, low iron
Frame	Anodized/Electrophoretic aluminum alloy
Junction Box	IP65/67 rated
Output Cabel	4.0m ² symmetrical lengths 900mm
Connector	MC4 Compatible

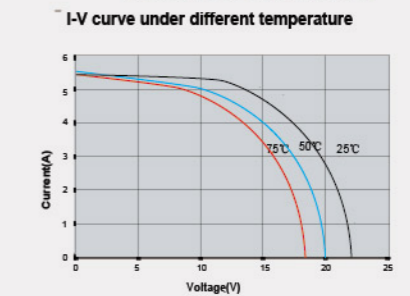
PHYSICAL CHARACTERISTICS

Unit:mm (inch)



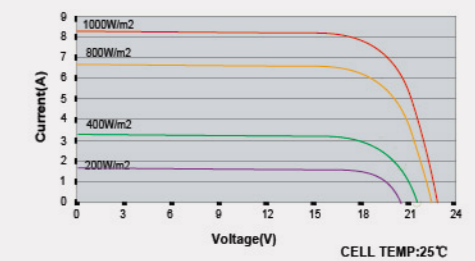
ELECTRICAL CHARACTERISTICS

Current-Voltage & Power-Voltage Curve
(AM1.5, Cell Temperature 25°C)



Temperature Dependence of Isc, Voc and Pmax

Various Irradiance Levels



Irradiance Dependence of Isc, Voc and Pmax

