

SL5M36-50W-70W

Monocrystalline Photovoltaic Module

9.60-13.44%
MAXIMUM EFFICIENCY

50-70W
POWER OUTPUT RANGE

36 CELL
MONOCRYSTALLINE MODULE

0~+5W
POSITIVE OUTPUT GUARANTEE



Excellent low light performance on cloudy days, mornings and evenings

- Anti-reflective coating



Great aesthetics for residential applications

- High efficiency, lower weight, Easy handling and optimum utilization of roof space



Certified to withstand challenging environmental conditions

- 2400 Pa wind load
- 5400 Pa snow load
- 35mm hail stone at 97 km/hr



IP68 connectors enhance the reliability of the PV system



Blowing sand resistance certification



Anti-PID



Fire test certification



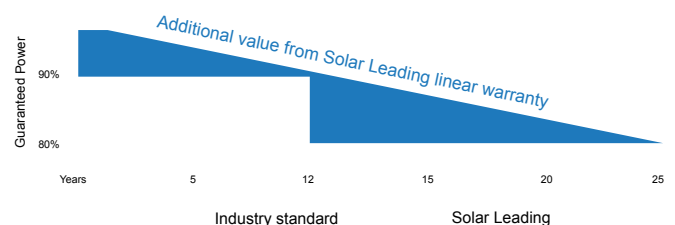
Ammonia corrosion certification



Salt mist corrosion certification

LINEAR PERFORMANCE WARRANTY

12 Year Product Warranty 25 Year Linear Power Warranty



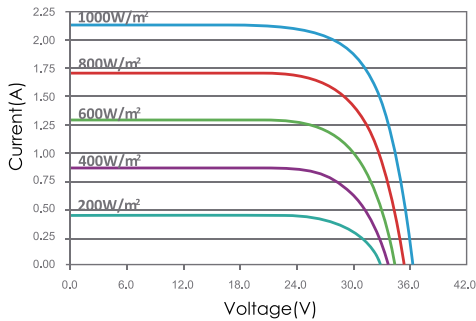
Electrical Characteristics

Characteristics	Unit	SL5M36-50W	SL6M36-60W	SL5M36-70W
Maximum Power (Pmax)	W	50	60	70
Power Tolerance	W	(0, +5)	(0, +5)	(0, +5)
Maximum Power Voltage (Vmp)	v	18.0	18.0	18.0
Maximum Power Current (Imp)	A	2.78	3.34	3.89
Open Circuit Voltage (Voc)	V	22.7	21.24	21.60
Short Circuit Current (Isc)	A	3.00	3.66	4.12
Module Efficiency (ηm)	%	9.60	11.52	13.44
Dimension of module	mm	766×680×30mm (30.1×26.7×1.2inch)		
Pmax Temperature Coefficient	%/C	-0.48		
Voc Temperature Coefficient	%/C	-0.35		
Isc Temperature Coefficient	%/C	+0.04		
Maximum System Voltage	VDC	1000(TUV);600(UL)		
Maximum Series Fuse Rating	A	10		
Operating Temperature	℃	-40 ~ +85		
NOCT	℃	45±2		

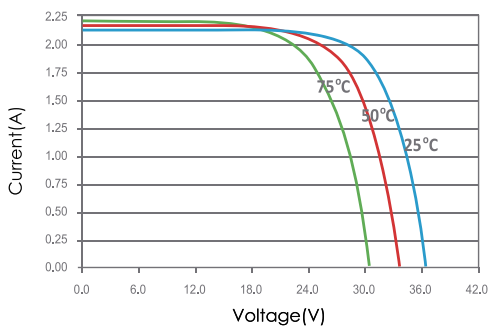
STC:1000W/m2. AM1.5 and 25 C cell temperature: NOCT : Nominal Operating Cell Temperature

I-V Curves

I-V Curves of PV Module SL5M36-50W (Cell Temp. 25 °C)

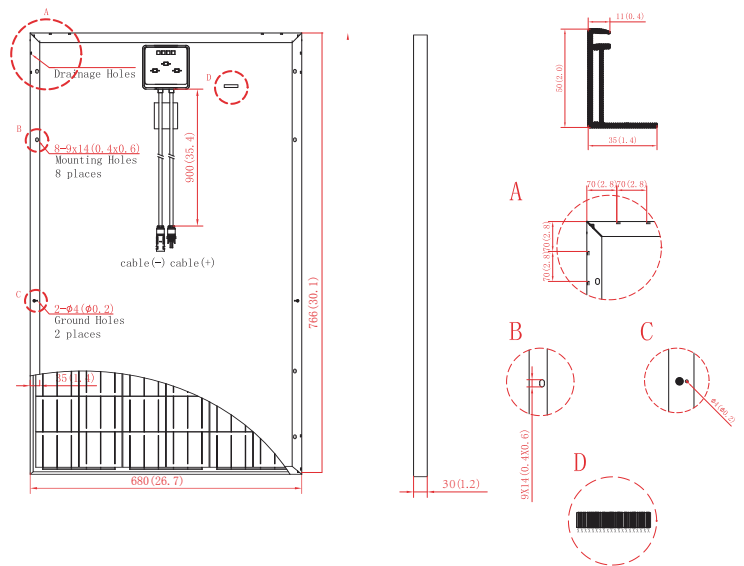


I-V Curves of PV Module SL5M36-50W₂ at Different Cell Temp. (AM1.5, 1000W/m²)



Physical Characteristics

Unit:mm(inch)



Cell Type	125 mm x 125 mm, Monocrystalline Silicon
No. of Cells	36pcs (6 x 6)
Dimension	766x680x30mm (3.01 x 2.67x1.2inch)
Weight	6.0kg (13.2lbs.)
Cable Length	900mm (35.4inch)
Bypass Diodes	6/6pcs
Junction Box	IP65/IP68
Front Glass	3.2mm (0.1inch) tempered low-iron glass
Frame	Anodized aluminum alloy

* Specifications are subjected to change without further notice