

# SOLAR LEADING

To a better future

## SL5M36-80W-120W

Monocrystalline Photovoltaic Module



**12.06-18.08%**  
MAXIMUM EFFICIENCY

**80-120W**  
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



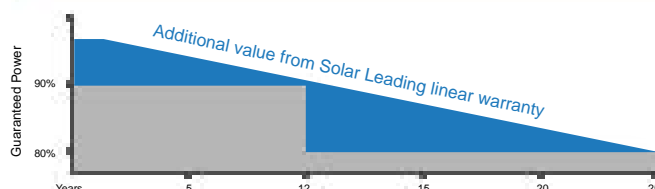
Ammonia corrosion certification



Salt mist corrosion certification

**LINEAR PERFORMANCE WARRANTY**

12 Year Product Warranty 25 Year Linear Power Warranty



Industry standard

Solar Leading

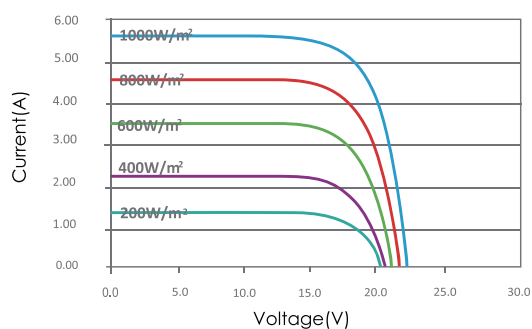
## Electrical Characteristics

Characteristics	Unit	SL5M36-80W	SL5M36-90W	SL5M36-100W	SL5M36-110W	SL5M36-120W
Maximum Power (Pmax)	W	80	90	100	110	120
Power Tolerance	W	(0, +5)	(0, +5)	(0, +5)	(0, +5)	(0, +5)
Maximum Power Voltage (Vmp)	V	18.0	18.0	18.0	18.0	18.0
Maximum Power Current (Imp)	A	4.44	5.00	5.56	6.11	6.67
Open Circuit Voltage (Voc)	V	21.60	21.60	21.60	21.60	21.60
Short Circuit Current (Isc)	A	4.88	5.38	6.00	6.60	7.20
Module Efficiency (ηm)	%	12.06	13.56	15.06	16.59	18.08
Dimension of module	mm	1200x553x35mm (47.2x21.3x1.4inch)				
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	15				
Operating Temperature	℃	-40 ~ +85				
<b>NOCT</b>	℃	45±2				

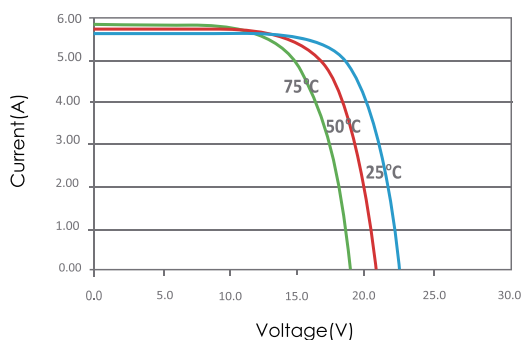
STC:1000W/m2.AM1.5 and 25℃ cell temperature: NOCT : Nominal Operating Cell Temperature

## I-V Curves

I-V Curves of PV Module SL5M36-80W  
(Cell Temp. 25℃)

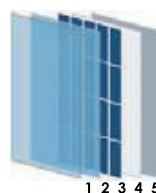
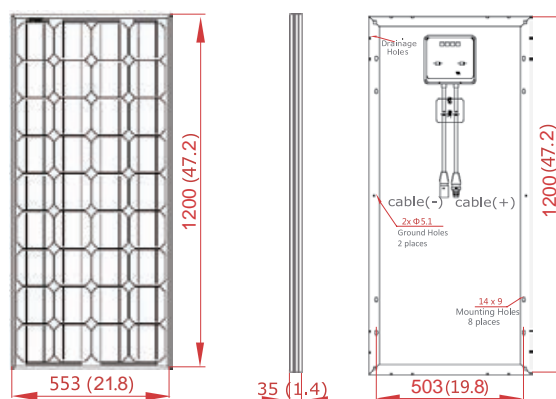


I-V Curves of PV Module SL5M36-80W  
at Different Cell Temp. (AM1.5, 1000W/m²)



## Physical Characteristics

Unit:mm(inch)



- 1. Tempered Glass
- 2. EVA(Ethylene Vinyl Acetate)
- 3. Solar Cells
- 4. EVA(Ethylene Vinyl Acetate)
- 5. Backsheet

Cell Type	125mm x125mm, Monocrystalline Silicon
No. of Cells	36pcs (4x9)
Dimension	1200x553x35mm (47.2x 21.8x1.4inch)
Weight	8.0kg (17.6lbs.)
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

