



# SOLAR LEADING

To a better future

## SL6M72-305W-320W

Monocrystalline Photovoltaic Module



**15.72-16.49%**  
MAXIMUM EFFICIENCY

**305-320W**  
POWER OUTPUT RANGE

**72 CELL**  
MONOCRYSTALLINE MODULE

**0~+5W**  
POSITIVE OUTPUT GUARANTEE



**Excellent low light performance on cloudy days, mornings and evenings**

- Anti-reflective coating



**Ideal for large scale installations**

- High power footprint reduces installation time and BOS costs



**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



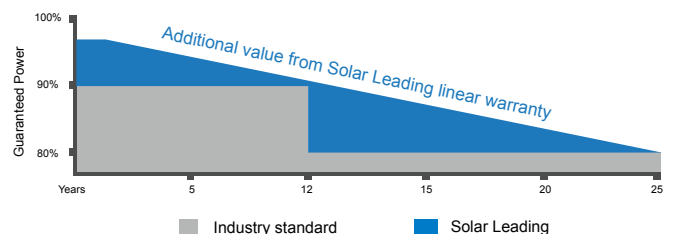
Ammonia corrosion certification



Salt mist corrosion certification

### **LINEAR PERFORMANCE WARRANTY**

12 Year Product Warranty 25 Year Linear Power Warranty



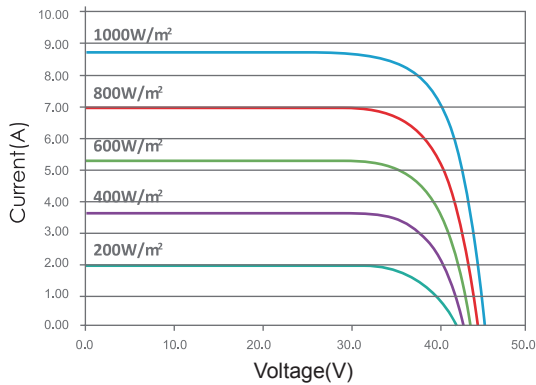
## Electrical Characteristics

Characteristics	Unit	SL6M72-305W	SL6M72-310W	SL6M72-315W	SL6M72-320W
Maximum Power (Pmax)	W	305	310	315	320
Power Tolerance	W	(0, +5)	(0, +5)	(0, +5)	(0, +5)
Maximum Power Voltage (Vmp)	V	37.3	37.4	37.5	37.35
Maximum Power Current (Imp)	A	8.19	8.28	8.40	8.57
Open Circuit Voltage (Voc)	V	46.0	46.2	46.3	45.86
Short Circuit Current (Isc)	A	8.83	8.87	8.95	8.99
Module Efficiency (ηm)	%	15.72	15.97	16.23	16.49
Dimension of module	mm	1956×992×40mm (77.0×39.1×1.6inch)			
Pmax Temperature Coefficient	%/C	-0.44			
Voc Temperature Coefficient	%/C	-0.32			
Isc Temperature Coefficient	%/C	+0.04			
Maximum System Voltage	VDC	1000(TUV);600(UL)			
Maximum Series Fuse Rating	A	15			
Operating Temperature	C	-40 ~ +85			
Fill Factor	%	< 78%			
<b>NOCT</b>	C	46±2			

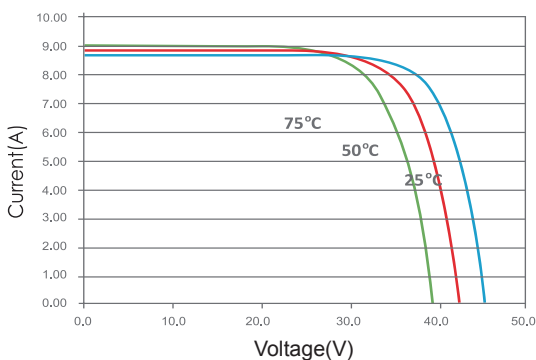
STC:1000W/m<sup>2</sup>, AM1.5 and 25 °C cell temperature; NOCT : Nominal Operating Cell Temperature. Output current when solar radiation > 100W/m<sup>2</sup>.  
Hail test 25mm diameter ice ball at 23 m/s, directed at 11 impact locations.

## I-V Curves

I-V Curves of PV Module SL6M72-305W  
(Cell Temp. 25 °C)

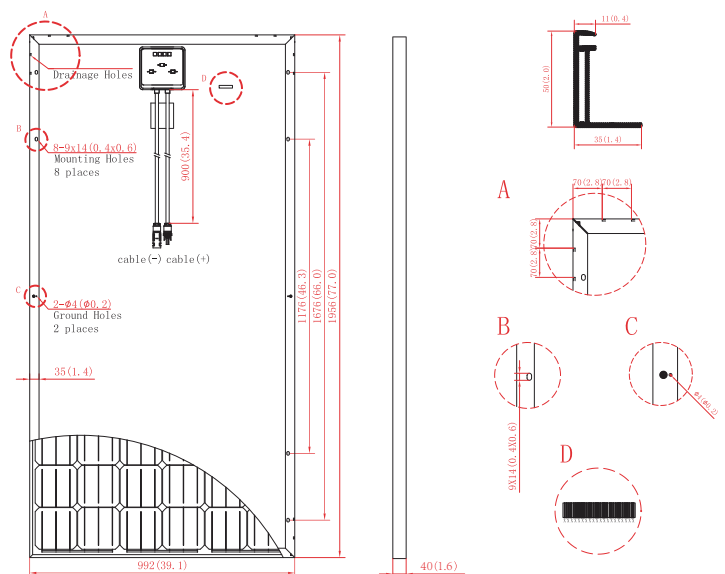


I-V Curves of PV Module SL6M72-305W  
at Different Cell Temp. (AM1.5, 1000W/m<sup>2</sup>)



## Physical Characteristics

Unit:mm(inch)



Cell Type	156mm x 156mm, Monocrystalline Silicon
No. of Cells	72pcs (6x12)
Dimension	1956x992x40mm (77.0x39.1x1.6inch)
Weight	24.0kg (52.9lbs.)
Cable Length	900mm (35.4inch)
Bypass Diodes	6/6pcs
Junction Box	IP65/IP68
Front Glass	4.0 mm(0.1inch) tempered low-iron glass
Frame	Anodized aluminum alloy

\* Specifications are subjected to change without further notice

