

**For a Free Quote:**

Web: [EnergyPal.com/solar](http://EnergyPal.com/solar)

Call: 1-800-990-3725

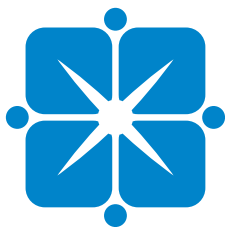
Email: [contact@energypal.com](mailto:contact@energypal.com)

# EnergyPal

## **Solar Panel Guide Specification Data Sheet**

**Solar Leading Group Limited  
SL6M36-150W-170W  
SL6M36-155W**

Also available on the web at  
[EnergyPal.com/solar-leading-group-limited-solar-panels/sl6m36-155w](http://EnergyPal.com/solar-leading-group-limited-solar-panels/sl6m36-155w)

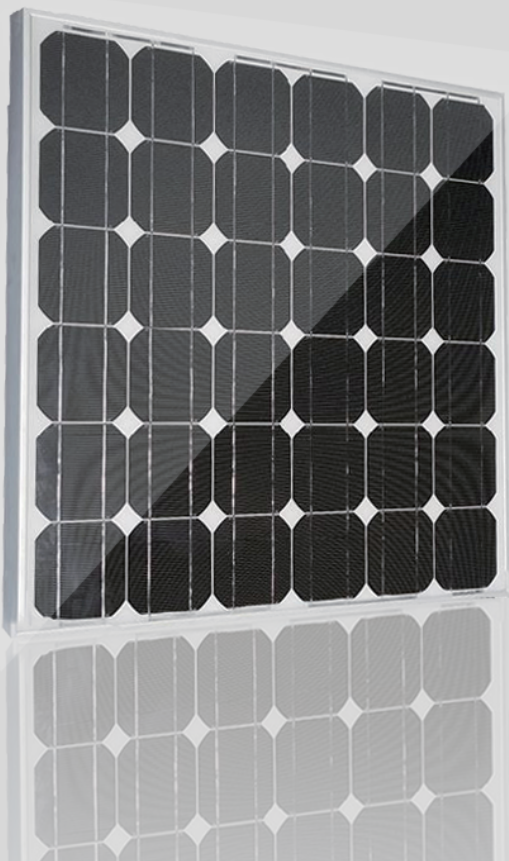


# SOLAR LEADING

To a better future

## SL6M36-150W-170W

Monocrystalline Photovoltaic Module



**14.23-17.27%**  
MAXIMUM EFFICIENCY

**150-170W**  
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



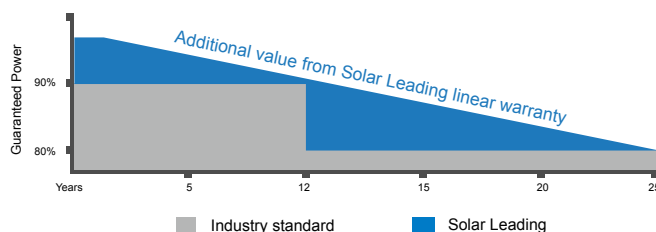
Ammonia corrosion certification



Salt mist corrosion certification

### **LINEAR PERFORMANCE WARRANTY**

12 Year Product Warranty 25 Year Linear Power Warranty



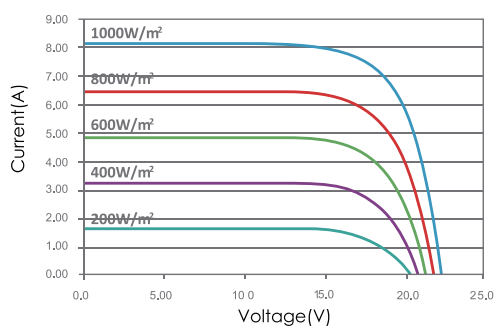
## Electrical Characteristics

Characteristics	Unit	SL6M36-150W	SL6M36-155W	SL6M36-160W	SL6M36-165W	SL6M36-170W
Maximum Power (Pmax)	W	150	155	160	165	170
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	7.78	8.00	8.88	9.16	9.44
Open Circuit Voltage (Voc)	V	21.6	21.7	21.8	21.9	22.0
Short Circuit Current (Isc)	A	8.00	8.34	8.62	8.96	9.21
Module Efficiency (ηm)	%	14.23	14.74	16.26	16.76	17.27
Dimension of module	mm	992×992×35 mm (39.1 × 39.1 × 1.4 inch)				
Pmax Temperature Coefficient	%/C	-0.48				
Voc Temperature Coefficient	%/C	-0.35				
Isc Temperature Coefficient	%/C	+0.04				
Maximum System Voltage	VDC	600V(UL)/1000V(TUV,IEC)				
Maximum Series Fuse Rating	A	10				
Operating Temperature	°C	-40 ~ +85				
<b>NOCT</b>	°C	45±2				

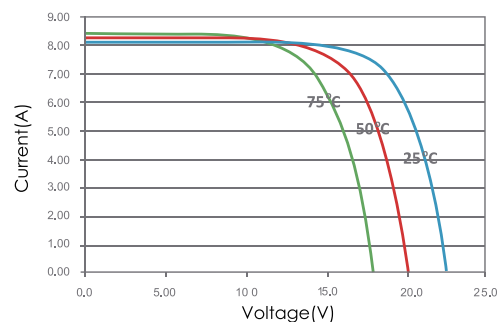
STC:1000W/m<sup>2</sup>.AM1.5 and 25 °C cell temperature: NOCT : Nominal Operating Cell Temperature

## I-V Curves

I-V Curves of PV Module SL6M36-150W  
(Cell Temp. 25 °C)

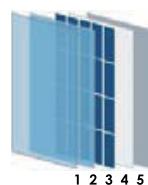
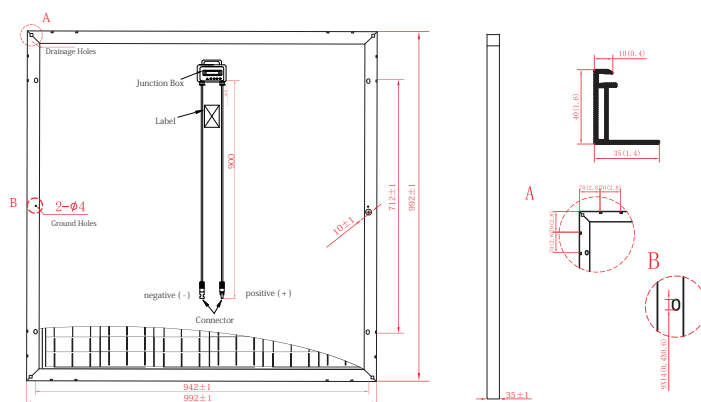


I-V Curves of PV Module SL6M36-150W  
at Different Cell Temp. (AM1.5, 1000W/m<sup>2</sup>)



## Physical Characteristics

Unit:mm(inch)



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

Dimension	992×992×35 mm (39.1 × 39.1 × 1.4 inch)
Weight	11.5 kg (25.4 lbs.)
Cable Length	900 mm (35.4 inch)
Bypass Diodes	2 pcs
Junction Box	IP 65
Front Glass	3.2 mm (0.1inch) tempered low-iron glass
Frame	Anodized aluminum alloy

\* Specifications are subjected to change without further notice

