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**Solar Panel Guide  
Specification Data Sheet**

**Sunlife Solar Co. Pvt. Ltd**  
**SLS140-160P**  
**SLS145P**

Also available on the web at  
[EnergyPal.com/sunlife-solar-co-pvt-ltd-solar-panels/sls145p](http://EnergyPal.com/sunlife-solar-co-pvt-ltd-solar-panels/sls145p)



## ELECTRICAL SPECIFICATIONS

Model NO.	SLS140P	SLS145P	SLS150P	SLS155P	SLS160P
Peak power(Pmax)	140W	145W	150W	155W	160W
Maximum power voltage(Vmp)	17.8V	17.8V	18.0V	18.2V	18.5V
Maximum power current(Imp)	7.86A	8.15A	8.33A	8.51A	8.64A
Short-circuit current(Isc)	8.49A	8.88A	8.99A	9.19A	9.34A
Open circuit voltage(Voc)	21.8V	22.2V	22.3V	22.5V	22.6V
Optimized cell efficiency( $\eta$ )	16.00%	16.60%	17.20%	17.60%	18.20%
Power tolerance:	0~+3%				
Maximum system voltage	1000VDC				

## TEMPERATURE COEFFICIENT

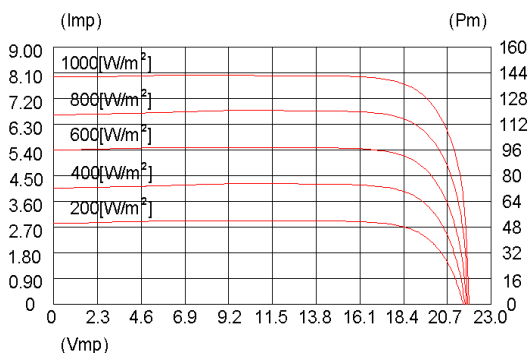
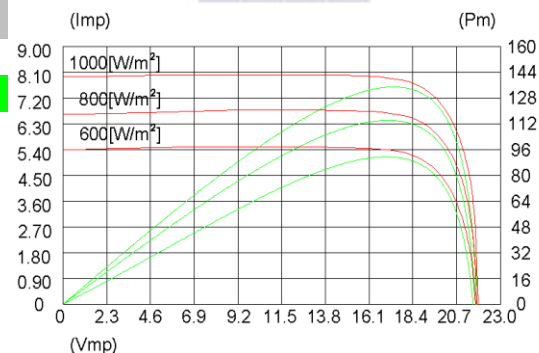
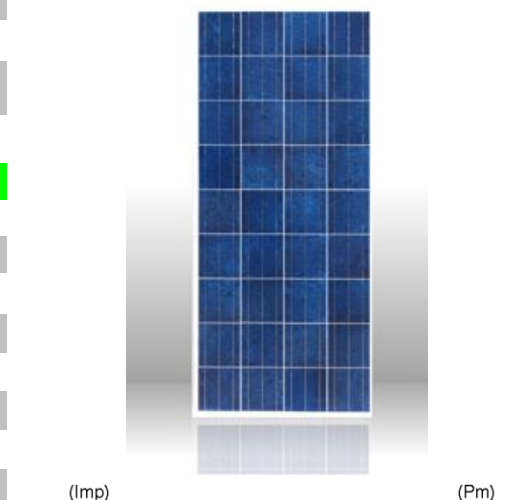
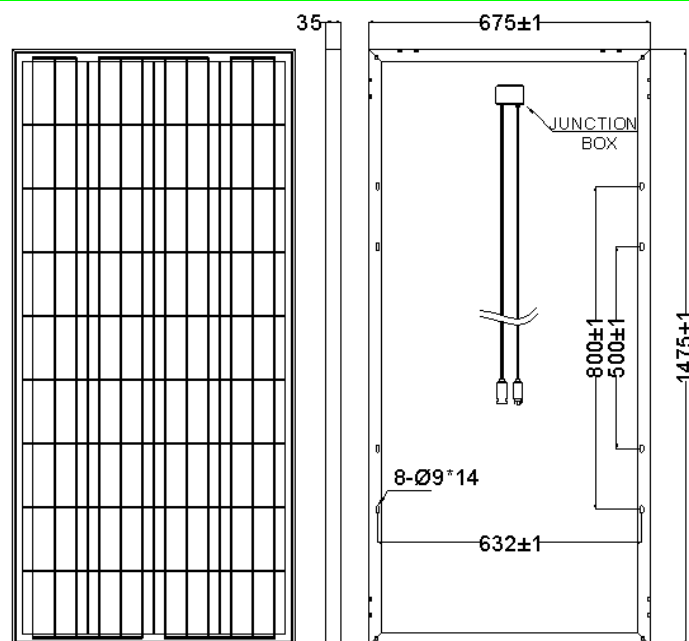
Current temperature coefficient	0.037%/°C
Voltage temperature coefficient	-0.34%/°C
Power temperature coefficient	-0.48%/°C

STC: Irradiance of 1000W /m2, AM 1.5, Cell Temperature of 25°C

## MECHANICAL SPECIFICATIONS

Cell Type	156mm x 156mm
Number of Cells	36 cells in series
Weight	14.5 kg (31.9 lbs)
Dimension	1475×675×35mm
Front Glass	3.2mm tempered glass
Frame	Anodized aluminum alloy
Max Load	5400 Pascals ( 112 lb/ft2)
Junction Box	IP65
Cable/Connector	900mm /MC4 Compatible

## PHYSICAL CHARACTERISTICS



25-year performance warranty

5-year warranty on materials and workmanship

\*Due to continuous innovation, research and product improvement, the specifications are subject to change without prior notice.

\*The data do not refer to a single module and they are not part of the offer, they only serve for comparison to different module types.

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