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# **EnergyPal**

**Solar Panel Guide  
Specification Data Sheet**

**Sunlife Solar Co. Pvt. Ltd  
SLS140-165M  
SLS140M**

Also available on the web at  
[EnergyPal.com/sunlife-solar-co-pvt-ltd-solar-panels/sls140m](http://EnergyPal.com/sunlife-solar-co-pvt-ltd-solar-panels/sls140m)



**ELECTRICAL SPECIFICATIONS**

Model NO.	SLS140M	SLS150M	SLS155M	SLS160M	SLS165M
Peak power(Pmax)	140W	150W	155W	160W	165W
Maximum power voltage(Vmp)	17.8V	18.0V	18.2V	18.5V	18.8V
Maximum power current(Imp)	7.86A	8.33A	8.51A	8.64A	8.77A
Short-circuit current(Isc)	8.49A	8.99A	9.19A	9.34A	9.57A
Open circuit voltage(Voc)	21.8V	22.3V	22.5V	22.6V	22.6V
Optimized cell efficiency(η)	16.00%	17.20%	17.60%	18.20%	18.80%
Power tolerance:	0~+3%				
Maximum system voltage	1000VDC				

**TEMPERATURE COEFFICIENT**

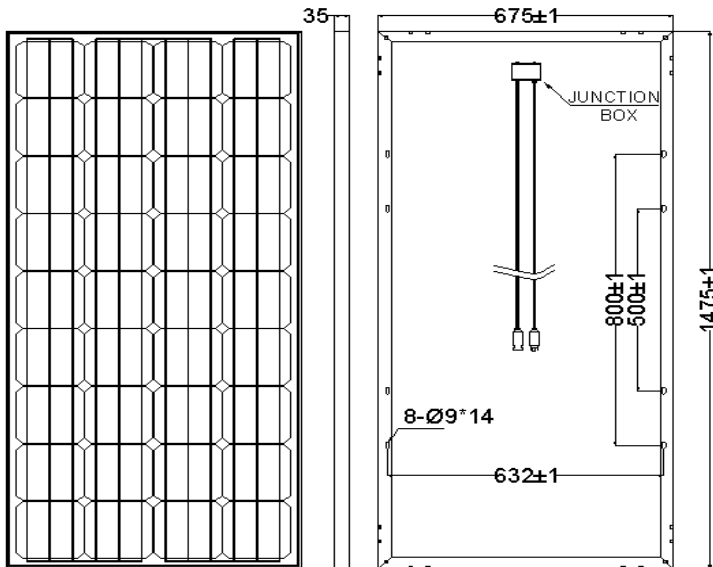
Current temperature coefficient	0.037%/°C
Voltage temperature coefficient	-0.34%/°C
Power temperature coefficient	-0.48%/°C

STC: Irradiance of 1000W /m<sup>2</sup>, AM 1.5, Cell Temperature of 25°C

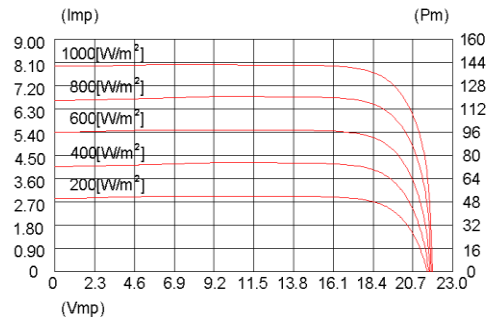
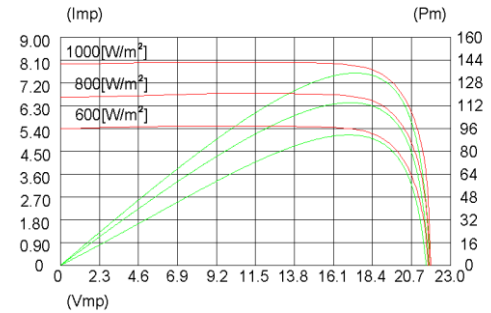
**MECHANICAL SPECIFICATIONS**

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/ft <sup>2</sup> )
Junction Box	IP65
Cable/Connector	900mm /MC4 Compatible

**PHYSICAL CHARACTERISTICS**



**ELECTRICAL CHARACTERISTICS**



\*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.

25-year performance warranty  
5-year warranty on materials and workmanship  
The specifications are subject to change without prior notice.