

**For a Free Quote:**

Web: **EnergyPal.com/solar**

Call: **1-800-990-3725**

Email: **contact@energypal.com**



**Solar Panel Guide  
Specification Data Sheet**

**Sunlife Solar Co. Pvt. Ltd**  
**SLS085-90M**  
**SLS090M**

Also available on the web at  
[EnergyPal.com/sunlife-solar-co-pvt-ltd-solar-panels/sls090m](http://EnergyPal.com/sunlife-solar-co-pvt-ltd-solar-panels/sls090m)



### ELECTRICAL SPECIFICATIONS

Model NO.	SLS085M	SLS090M
Peak power(Pmax)	85W	90W
Maximum power voltage(Vmp)	18.0V	18.2V
Maximum power current(Imp)	4.72A	4.94A
Short-circuit current(Isc)	5.09A	5.24A
Open circuit voltage(Voc)	22.1V	22.4V
Cell efficiency( $\eta$ )	16.80%	17.80%
Power tolerance:	$\pm 3\%$	
Operating temperature	$-40^{\circ}\text{C}$ to $+85^{\circ}\text{C}$	
Maximum system voltage	715VDC	

### TEMPERATURE COEFFICIENT

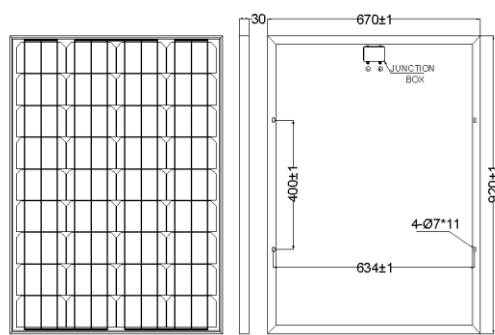
Current temperature coefficient	$0.037\%/^{\circ}\text{C}$
Voltage temperature coefficient	$-0.34\%/^{\circ}\text{C}$
Power temperature coefficient	$-0.48\%/^{\circ}\text{C}$

STC: Irradiance of  $1000\text{W}/\text{m}^2$ , AM 1.5, Cell Temperature of  $25^{\circ}\text{C}$

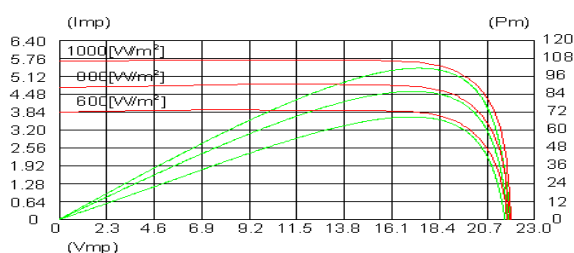
### MECHANICAL SPECIFICATIONS

Cell Type	156mm
Number of Cells	36 cells in series
Weight	8.0 kg (17.6 lbs)
Dimension	$920 \times 670 \times 30\text{mm}$
Max Load	5400 Pascals ( 112 lb/ft <sup>2</sup> )
Junction Box	
Cable/Connector	

### PHYSICAL CHARACTERISTICS



### ELECTRICAL CHARACTERISTICS



### ELECTRICAL SPECIFICATIONS

Model NO.	SLS120M	SLS125M
Peak power(Pmax)	120W	125W
Maximum power voltage(Vmp)	17.8V	18V
Maximum power current(Imp)	6.74A	6.94A
Short-circuit current(Isc)	7.14A	7.36A
Open circuit voltage(Voc)	22.1V	22.4V
Cell efficiency( $\eta$ )	16.80%	17.80%
Power tolerance:	$\pm 3\%$	
Operating temperature	$-40^{\circ}\text{C}$ to $+85^{\circ}\text{C}$	
Maximum system voltage	715VDC	

### TEMPERATURE COEFFICIENTS

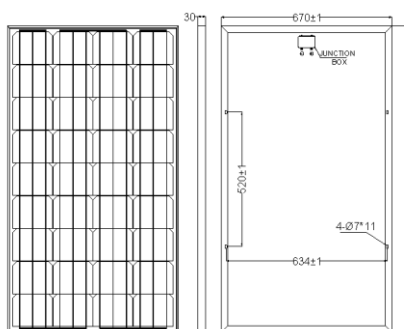
Current temperature coefficient	$0.037\%/^{\circ}\text{C}$
Voltage temperature coefficient	$-0.34\%/^{\circ}\text{C}$
Power temperature coefficient	$-0.48\%/^{\circ}\text{C}$

STC: Irradiance of  $1000\text{W}/\text{m}^2$ , AM 1.5, Cell Temperature of  $25^{\circ}\text{C}$

### MECHANICAL SPECIFICATIONS

Cell Type	156mm
Number of Cells	36 cells in series
Weight	10.3 kg (22.66bs)
Dimension	$1185 \times 670 \times 30\text{mm}$
Max Load	5400 Pascals ( 112 lb/ft <sup>2</sup> )
Junction Box	
Cable/Connector	

### PHYSICAL CHARACTERISTICS



### ELECTRICAL CHARACTERISTICS

