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Solar Panel Guide Specification Data Sheet

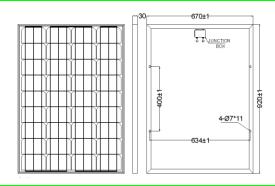
Sunlife Solar Co. Pvt. Ltd SLS085-90M SLS090M

36 CELLS SLS085M SLS090M

**MONOCRYSTALLINE SLS120M** 

### PHYSICAL CHARACTERISTICS

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:	±3%	
Operating temperature	-40°C to +85°C	



SLS125M

## **TEMPERATURE COEFFICIENT**

Maximum system voltage

**ELECTRICAL SPECIFICATIONS** 

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

715VDC

715VDC

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

# MECHANICAL SPECIFICATIONS

 Cell Type
 156mm

 Number of Cells
 36 cells in series

 Weight
 8.0 kg (17.6 lbs)

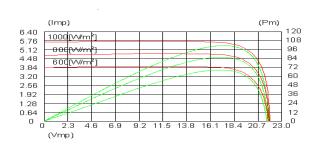
 Dimension
 920×670×30mm

 Max Load
 5400 Pascals ( 112 lb/ft2)

 Junction Box

Cable/Connector

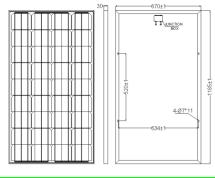
## **ELECTRICAL CHARACTERISTICS**



# **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:	±3%	
Operating temperature	-40°C to +85°C	





## **TEMPERATURE COEFFICIENTS**

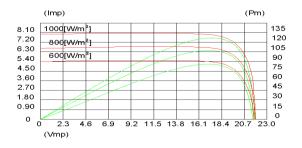
Maximum system voltage

Current temperature coefficient	0.037%/℃	
Voltage temperature coefficient	-0.34%/℃	
Power temperature coefficient	-0.48%/℃	
STC: Irradiance of 1000W /m2, AM 1.5, Cell Temperature of 25°C		

# **MECHANICAL SPECIFICATIONS**

Cell Type	156mm	
Number of Cells	36 cells in series	
Weight	10.3 kg (22.66bs)	
Dimension	1185×670×30mm	
Max Load	5400 Pascals ( 112 lb/ft2)	
Junction Box		
Cable/Connector		

### **ELECTRICAL CHARACTERISTICS**



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

<sup>\*</sup>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.