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# **EnergyPal**

**Solar Panel Guide  
Specification Data Sheet**

**Sunlife Solar Co. Pvt. Ltd  
SLS280-310P  
SLS280P**

Also available on the web at  
[EnergyPal.com/sunlife-solar-co-pvt-ltd-solar-panels/sls280p](http://EnergyPal.com/sunlife-solar-co-pvt-ltd-solar-panels/sls280p)



**ELECTRICAL SPECIFICATIONS**

Model NO.	SLS280P	SLS290P	SLS300P	SLS305P	SLS310P
Peak power(Pmax)	280W	290W	300W	305W	310W
Maximum power voltage(Vmp)	35.7V	35.8V	36.3V	36.5V	36.8V
Maximum power current(Imp)	7.84A	8.10A	8.26A	8.35A	8.42A
Short-circuit current(Isc)	8.46A	8.71A	8.93A	8.95A	9.01A
Open circuit voltage(Voc)	44.2V	44.4V	45.0V	45.2V	45.5V
Optimized cell efficiency(η)	16.00%	16.50%	17.20%	17.40%	17.80%
Power tolerance:	0~+3%				
Maximum system voltage	1000VDC				

**TEMPERATURE COEFFICIENT**

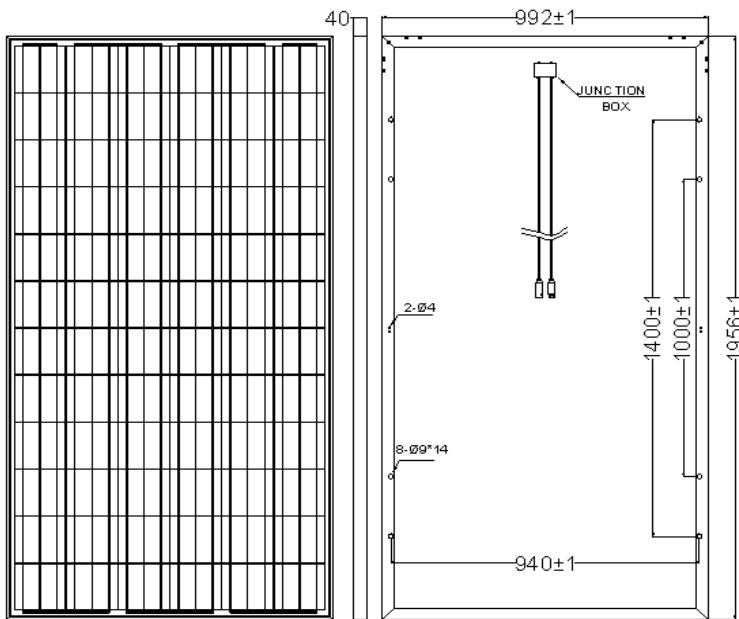
Current temperature coefficient	0.037%/°C
Voltage temperature coefficient	-0.34%/°C
Power temperature coefficient	-0.48%/°C

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

**MECHANICAL SPECIFICATIONS**

Cell Type	156mm x 156mm
Number of Cells	72 cells in series
Weight	22.5 kg (49.5 lbs)
Dimension	1956×992×40mm
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**



**ELECTRICAL CHARACTERISTICS**

