

**For a Free Quote:**

**Web: [EnergyPal.com/solar](http://EnergyPal.com/solar)**

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# **EnergyPal**

## **Solar Panel Guide Specification Data Sheet**

**Shenzhen Top Solar Energy Co., Ltd.**

**TS-S60P**

**TS-S60P**

Also available on the web at  
[EnergyPal.com/shenzhen-top-solar-energy-co-ltd-solar-panels/ts-s60p](http://EnergyPal.com/shenzhen-top-solar-energy-co-ltd-solar-panels/ts-s60p)

# POLYCRYSTALLINE SOLAR PANEL

## TS-S60P



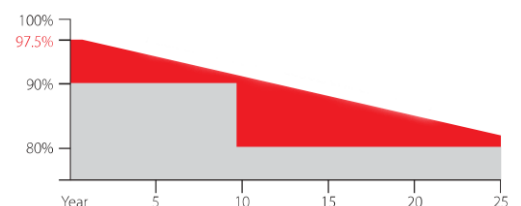
- High conversion efficiency
- Extremely environmental testing
- Salt mist corrosion resistant
- IP67 Junction box
- Strong compressive strength
- Fire test approved
- PID Resistant

## GIVING YOU MORE

- 3% positive tolerance
- Authorised photovoltaic certificates

- Series of internal harsh tests
- Linear performance warranty

Top Solar was established in 2008 and is a hi-tech corporation with its core business in R&D, manufacturing and sale of high efficiency solar panel.



[www.topsolar-energy.com](http://www.topsolar-energy.com)

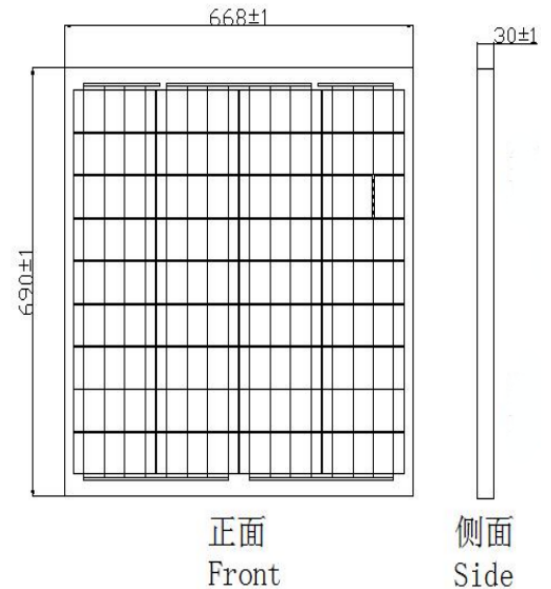
Shenzhen Top Solar Energy Co.,Ltd.  
F4,Building C,Zhonghengxinda Industrial Park,  
Shajing Town,Baoan District,Shenzhen City,Guangdong Province,China  
Tel:86 755 85224431 Fax:86 755 28167996 Email:info@topsolar-energy.com

### Electrical Characteristics under STC\*

Model No.:	TS-S60P
Maximum Power-Pmax(Wp)	60W
Voltage at Maximum Power-Vmp(V)	18.29V
Current at Maximum Power-Imp(A)	3.29A
Open Circuit Voltage-Voc(V)	21.95V
Short Circuit Current-Isc(A)	3.49A
Solar Panel Efficiency(%)	13.01
Power Tolerance(%)	0/+3

### Mechanical Characteristics

Cell Type	Polycrystalline	156*156mm
Number of Cells	36(4*9)	
Dimension	690*668*30mm	
Weight	5.2kg	
Front Glass	Low Iron Tempered Glass	
Encapsulant	EVA	
Frame	Anodized Aluminum Alloy	



### Temperature Characteristics

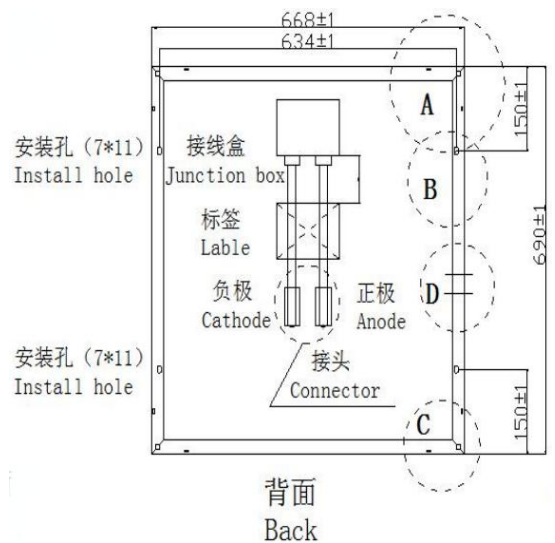
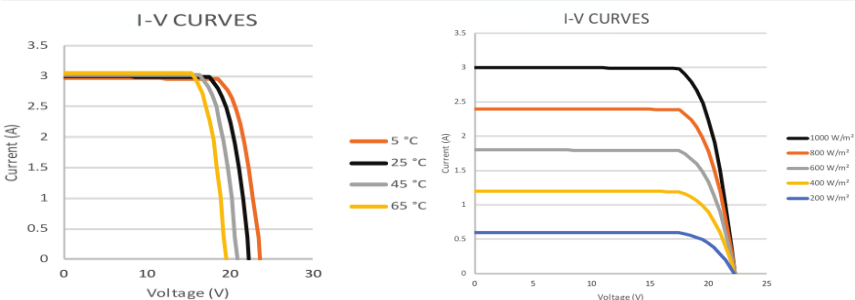
NOCT*	45±2°C
Temperature Coefficient of Pmax(%)	-0.40/°C
Temperature Coefficient of Voc(%)	-0.31/°C
Temperature Coefficient of Isc(%)	0.04/°C

### Maximum System Ratings

Operating Temperature	-40°C to +85°C
Maximum System Voltage	1000V DC
Maximum Series Fuse Rating	15A

### Warranty

12 years product warranty
12 years warranty on 90% power output
25 years warranty on 80% power output



\*STC(Standard Testing Conditions):Irradiance 1000W/m<sup>2</sup>,cell temperature 25°C,AM=1.5 \*NOCT(Nominal Operating Cell Temperature):Irradiance 800W/m<sup>2</sup>, ambient temperature 20°C,wind speed 1m/s  
The specifications in this datasheet are subjected to change without prior notice