

# POLYCRYSTALLINE SOLAR PANEL

## TS-S5P



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



Series of internal harsh tests

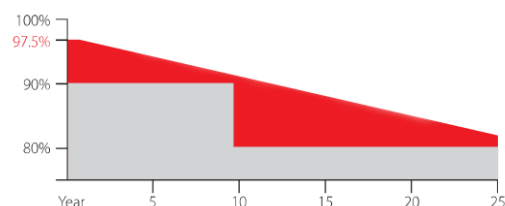


Authorised photovoltaic certificates



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)

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### Electrical Characteristics under STC\*

Model No.:	TS-S5P
Maximum Power-P <sub>max</sub> (Wp)	5W
Voltage at Maximum Power-V <sub>mp</sub> (V)	18.05V
Current at Maximum Power-I <sub>mp</sub> (A)	0.28A
Open Circuit Voltage-V <sub>oc</sub> (V)	21.66V
Short Circuit Current-I <sub>sc</sub> (A)	0.3A
Solar Panel Efficiency(%)	9.32
Power Tolerance(%)	0/+3

### Mechanical Characteristics

Cell Type	Polycrystalline	156*156mm
Number of Cells	36(4*9)	
Dimension	275*195*17mm	
Weight	0.65kg	
Front Glass	Low Iron Tempered Glass	
Encapsulant	EVA	
Frame	Anodized Aluminum Alloy	

### Temperature Characteristics

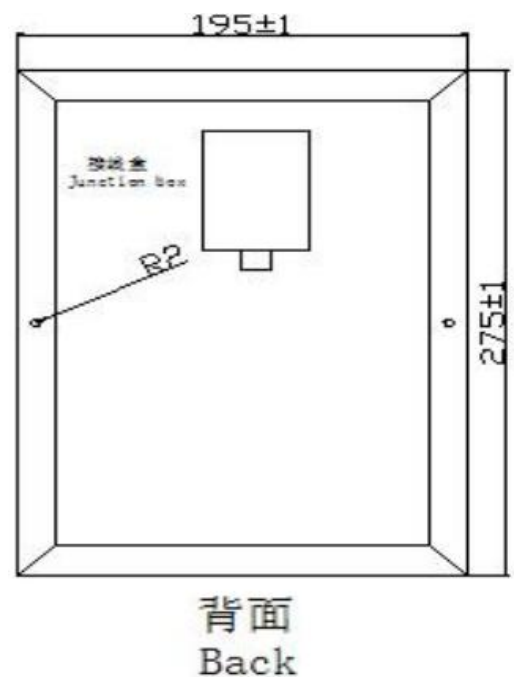
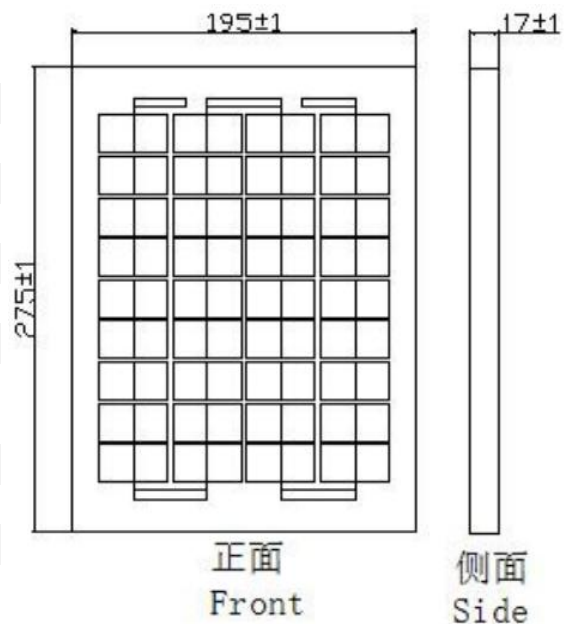
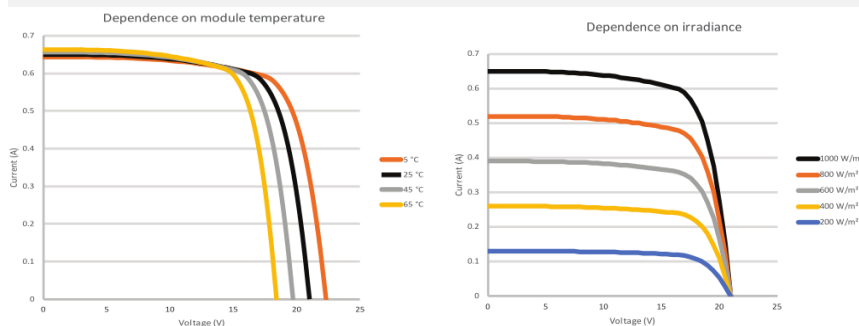
NOCT*	45±2℃
Temperature Coefficient of P <sub>max</sub> (%)	-0.40/℃
Temperature Coefficient of V <sub>oc</sub> (%)	-0.31/℃
Temperature Coefficient of I <sub>sc</sub> (%)	0.04/℃

### Maximum System Ratings

Operating Temperature	-40℃ to +85℃
Maximum System Voltage	600V 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℃,AM=1.5 \*NOCT(Nominal Operating Cell Temperature):Irradiance 800W/m<sup>2</sup>, ambient temperature 20℃,wind speed 1m/s

The specifications in this datasheet are subjected to change without prior notice