

# POLYCRYSTALLINE SOLAR PANEL

## TS-S30P



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

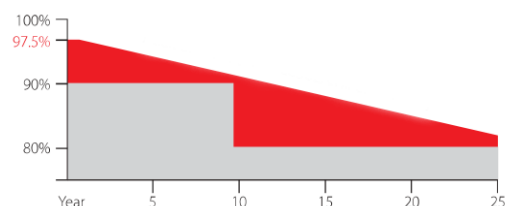


Authorised photovoltaic certificates



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)

Shenzhen Top Solar Energy Co.,Ltd.

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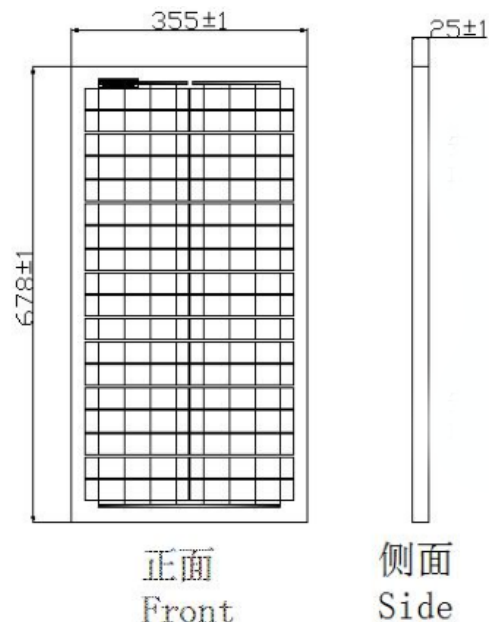
Tel:86 755 85224431 Fax:86 755 28167996 Email:info@topsolar-energy.com

### Electrical Characteristics under STC\*

|                                  |         |
|----------------------------------|---------|
| Model No.:                       | TS-S30P |
| Maximum Power-Pmax(Wp)           | 30W     |
| Voltage at Maximum Power-Vmp(V)  | 18.25V  |
| Current at Maximum Power-Impp(A) | 1.65A   |
| Open Circuit Voltage-Voc(V)      | 21.90V  |
| Short Circuit Current-Isc(A)     | 1.75A   |
| Solar Panel Efficiency(%)        | 12.46   |
| Power Tolerance(%)               | 0/+3    |

### Mechanical Characteristics

|                 |                         |           |
|-----------------|-------------------------|-----------|
| Cell Type       | Polycrystalline         | 156*156mm |
| Number of Cells | 36(2*18)                |           |
| Dimension       | 678*355*25mm            |           |
| Weight          | 3.2kg                   |           |
| Front Glass     | Low Iron Tempered Glass |           |
| Encapsulant     | EVA                     |           |
| Frame           | Anodized Aluminum Alloy |           |



### Temperature Characteristics

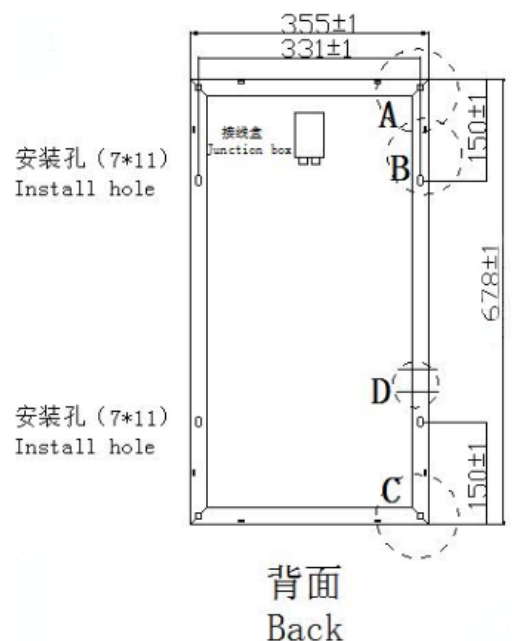
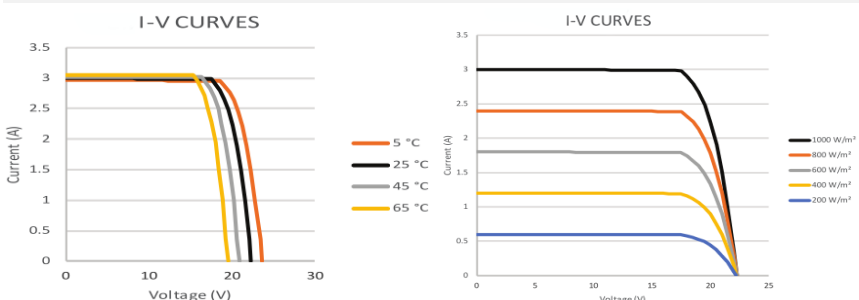
|                                    |         |
|------------------------------------|---------|
| NOCT*                              | 45±2℃   |
| Temperature Coefficient of Pmax(%) | -0.40/℃ |
| Temperature Coefficient of Voc(%)  | -0.31/℃ |
| Temperature Coefficient of Isc(%)  | 0.04/℃  |

### 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