

POLYCRYSTALLINE SOLAR PANEL

TS-S55P

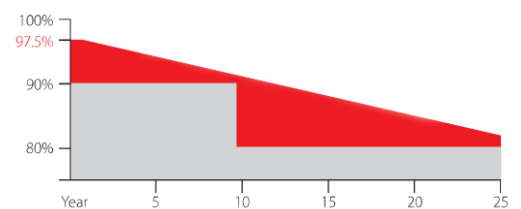


- High conversion efficiency
- Extremely environmental testing
- Salt mist corrosion resistant
- IP67 Junction box
- Strong compressive strength
- Fire test approved
- PID Resistant

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

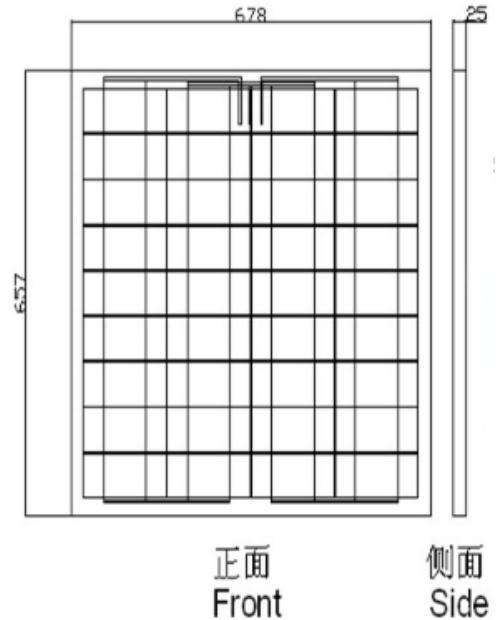
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Electrical Characteristics under STC*

| | |
|---------------------------------|---------|
| Model No.: | TS-S55P |
| Maximum Power-Pmax(Wp) | 55W |
| Voltage at Maximum Power-Vmp(V) | 18.36V |
| Current at Maximum Power-Imp(A) | 3.00A |
| Open Circuit Voltage-Voc(V) | 22.0V |
| Short Circuit Current-Isc(A) | 3.21A |
| Solar Panel Efficiency(%) | 12.38 |
| Power Tolerance(%) | 0/+3 |

Mechanical Characteristics

| | | |
|-----------------|-------------------------|-----------|
| Cell Type | Polycrystalline | 156*156mm |
| Number of Cells | 36(4*9) | |
| Dimension | 678*657*25mm | |
| Weight | 4.5kg | |
| Front Glass | Low Iron Tempered Glass | |
| Encapsulant | EVA | |
| Frame | Anodized Aluminum Alloy | |



Temperature Characteristics

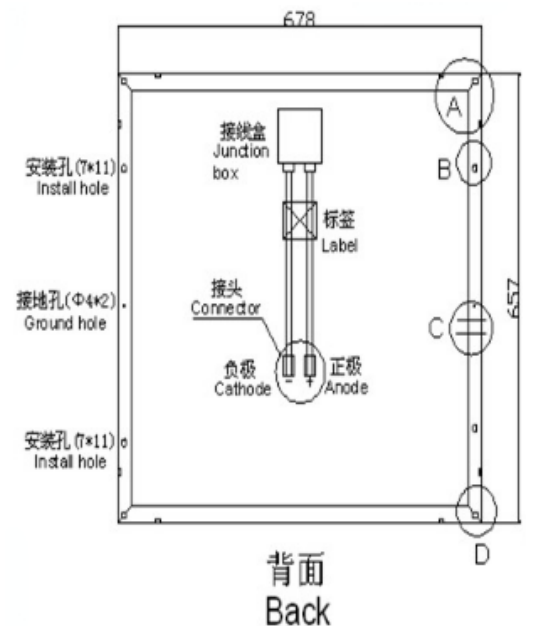
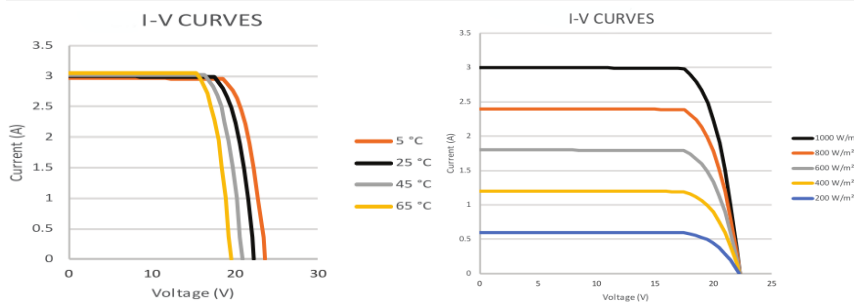
| | |
|------------------------------------|----------|
| NOCT* | 45±2°C |
| Temperature Coefficient of Pmax(%) | -0.40/°C |
| Temperature Coefficient of Voc(%) | -0.31/°C |
| Temperature Coefficient of Isc(%) | 0.04/°C |

Maximum System Ratings

| | |
|----------------------------|----------------|
| Operating Temperature | -40°C to +85°C |
| Maximum System Voltage | 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/m²,cell temperature 25°C,AM=1.5 *NOCT(Nominal Operating Cell Temperature):Irradiance 800W/m², ambient temperature 20°C,wind speed 1m/s
The specifications in this datasheet are subjected to change without prior notice