POLYCRYSTALLINE SOLAR PANEL TS-S310P





High conversion efficiency Extremely environmental testing Salt mist corrosion resistant P67 IP67 Junction box Strong compressive strength Fire test approved PID Resistant

GIVING YOU MORE



3% positive tolerance



Authorised photovoltaic certificates

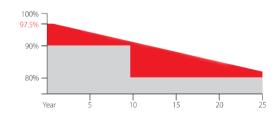
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Linear performance warranty

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.



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Electrical Characteristics under STC*

Model No.:	TS-S310P
Maximum Power-Pmax(Wp)	310W
Voltage at Maximum Power-Vmp(V)	37.72V
Current at Maximum Power-Imp(A)	8.22A
Open Circuit Voltage-Voc(V)	44.67V
Short Circuit Current-Isc(A)	9.05A
Solar Panel Efficiency(%)	16.0
Power Tolerance(%)	0/+3

Mechanical Characteristics

Cell Type	Polycrystalline 156*156mm
Number of Cells	72(6*12)
Dimension	1960*990*46mm
Weight	23.0kg
Front Glass	Low Iron Tempered Glass
Encapsulant	EVA
Frame	Anodized Aluminum Alloy

Temperature Characteristics

NOCT*	45±2 ℃
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

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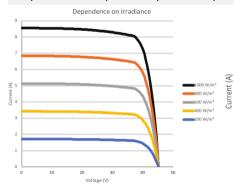
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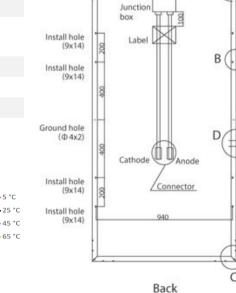
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Voltage (V)

Warranty

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



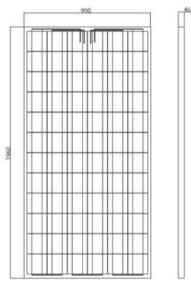


*STC(Standard Testing Conditions):Irradiance 1000W/m²,cell temperature 25°C,AM=1.5 *NOCT(Nominal Operating Cell Temperature):Irradiance 800W/m², ambient temperature 20°C,wind speed 1m/s The specifications in this datasheet are subjected to change without prior notice

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I-V CURVES

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Front

Side

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