

# FLEXIBLE SOLAR PANEL

## TS-FS110



-  More energy each day
-  Flexible
-  High resistance and Walking on panels
-  Microcracking managing
-  Light and thin
-  High resistance to marine environment
-  Easy to be integrated

## GIVING YOU MORE



3% positive tolerance



Series of internal harsh tests



Authorised photovoltaic certificates



Linear performance warranty

FS series is at the top of the range, thanks to the use of selected SunPower monocrystalline silicon cells, reaching a record 23% conversion of sunlight into electricity and with a pleasant appearance, thanks to back-contact technology which hides the electrical contacts. SunPower cells represent the most advanced available technology on the market, and make the Top Solar panels the highest-efficiency flexible panels.

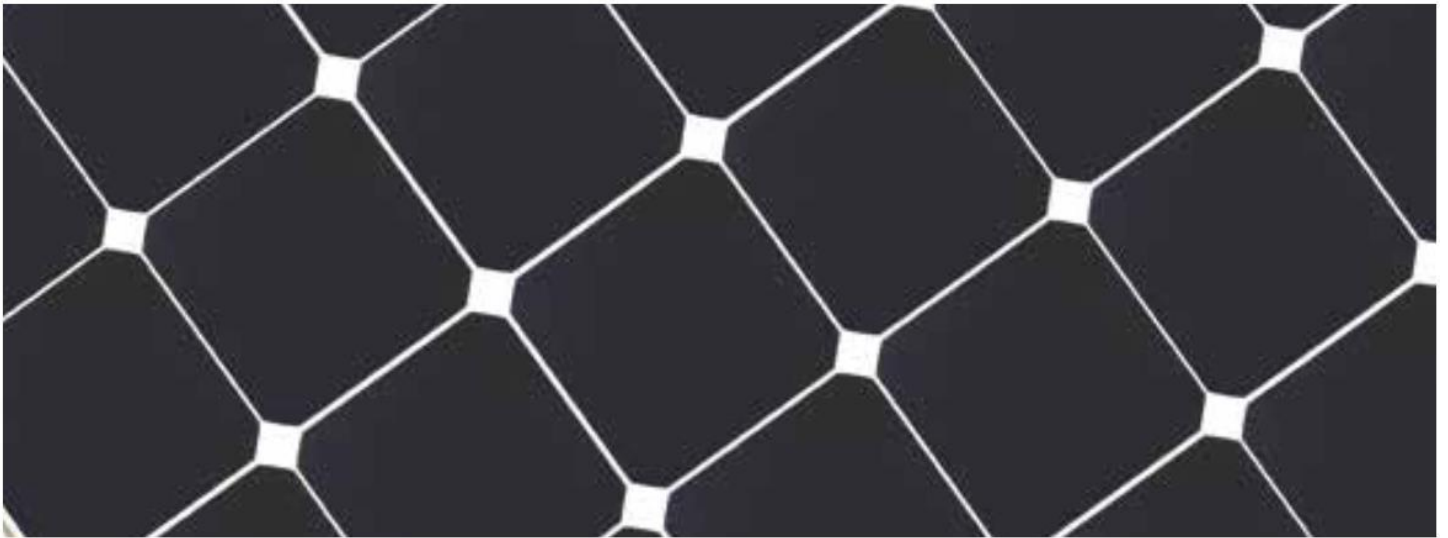
[www.topsolar-energy.com](http://www.topsolar-energy.com)

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-FS110
Maximum Power-Pmax(Wp)	110W
Voltage at Maximum Power-Vmp(V)	19.8V
Current at Maximum Power-Imp(A)	5.6A
Open Circuit Voltage-Voc(V)	23.7V
Short Circuit Current-Isc(A)	5.9A
Solar Cell Efficiency(%)	20
Power Tolerance(%)	0/+3

### Dimensions

Length(mm)	1175
Width(mm)	540
Thickness(mm)	1.8
Weight(kg)	1.85

### Temperature Characteristics

Temperature Coefficient of Pmax(%)	-0.38%/°C
Temperature Coefficient of Voc(%)	-0.28%/°C
Temperature Coefficient of Isc(%)	0.06%/°C

### Maximum System Ratings

Operating Temperature	-40°C to +85°C
Maximum System Voltage	600V DC
Maximum Series Fuse Rating	10A



\*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