FLEXIBLE SOLAR PANEL
TS-FS80

TOP SOLAR

- 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 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.
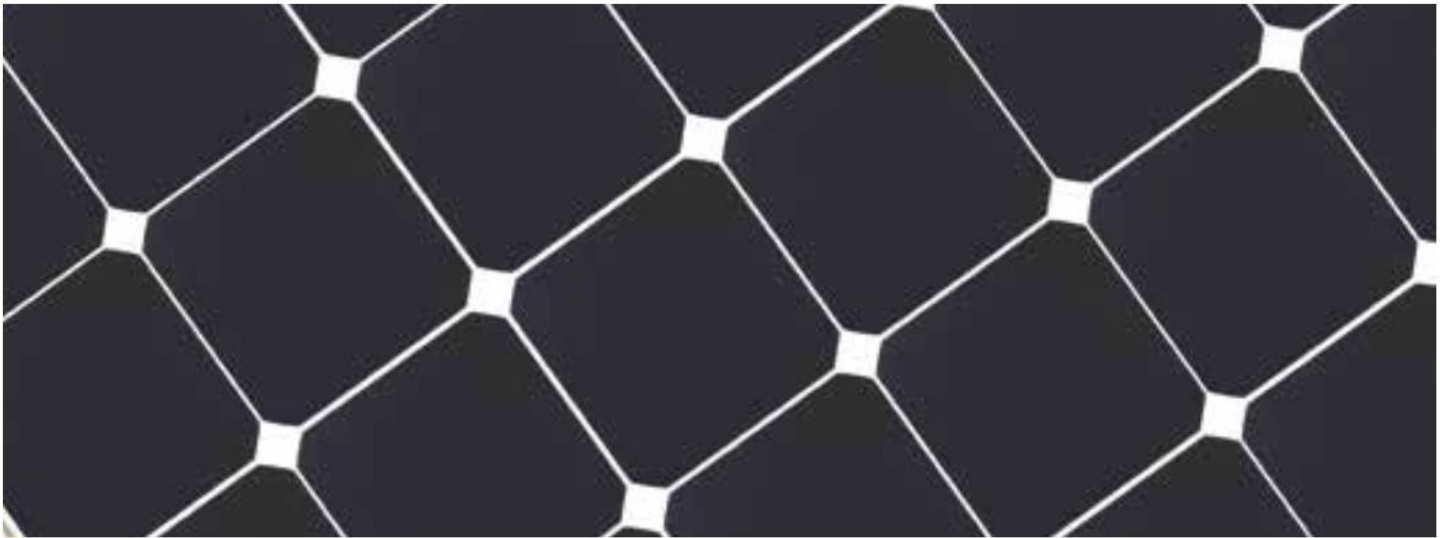
TOP SOLAR

Electrical Characteristics under STC*

Model No.:	TS-FS80
Maximum Power-Pmax(Wp)	80W
Voltage at Maximum Power-Vmp(V)	15.4V
Current at Maximum Power-Imp(A)	5.2A
Open Circuit Voltage-Voc(V)	18.5V
Short Circuit Current-Isc(A)	5.6A
Solar Cell Efficiency(%)	18.8
Power Tolerance(%)	0/+3

Dimensions

Length(mm)	922
Width(mm)	540
Thickness(mm)	1.8
Weight(kg)	1.5

Temperature Characteristics

Temperature Coefficient of Pmax(%)	−0.38%/℃
Temperature Coefficient of Voc(%)	−0.28%/℃
Temperature Coefficient of Isc(%)	0.06%/℃

Maximum System Ratings

Operating Temperature	−40℃ to +85℃
Maximum System Voltage	600V DC
Maximum Series Fuse Rating	10A

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