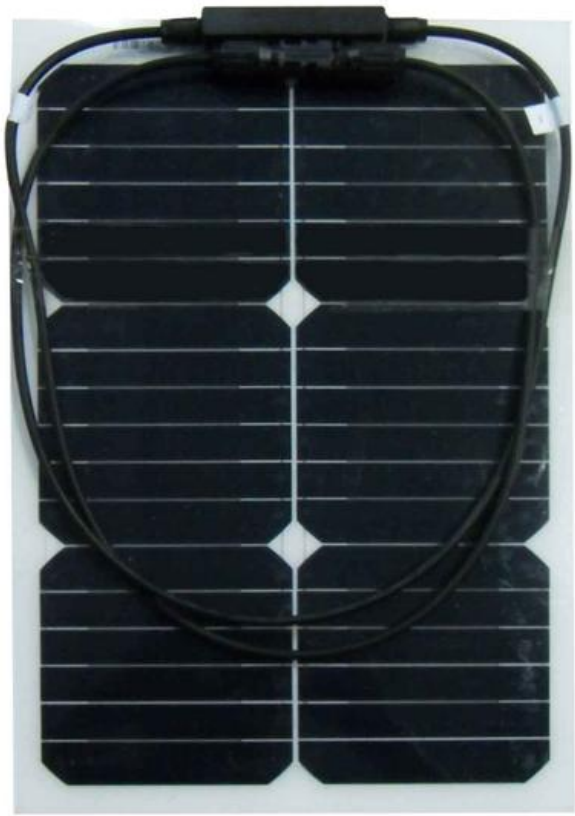
FLEXIBLE SOLAR PANEL

TS-FS20



- 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

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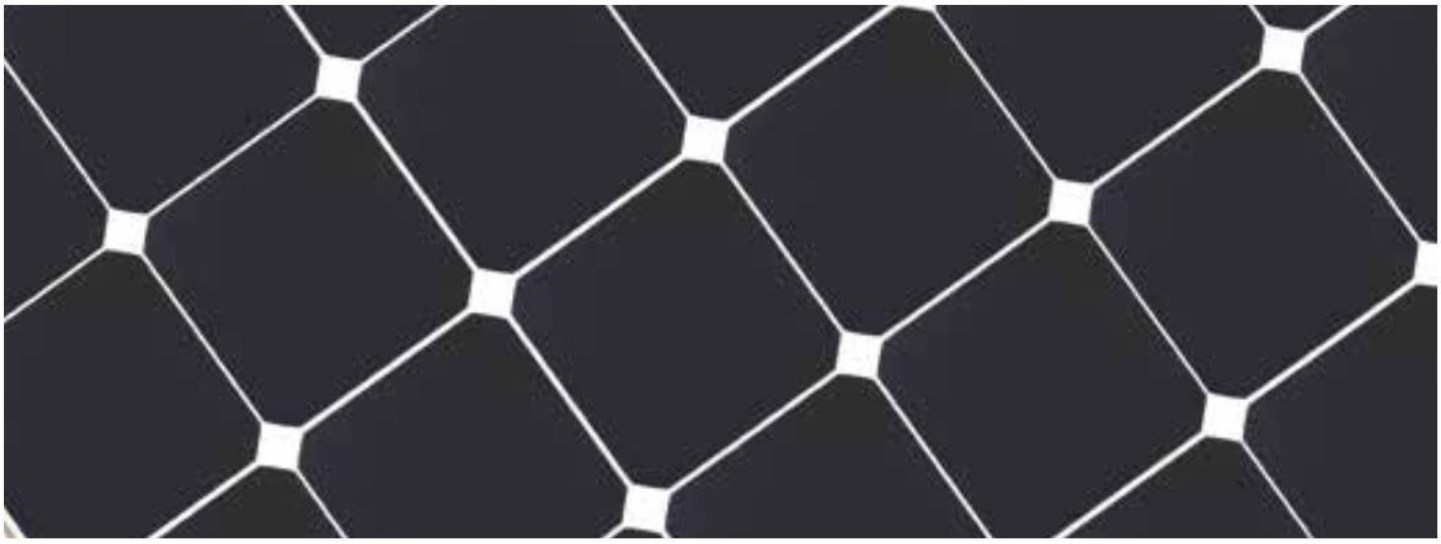
TOP SOLAR

FLEXIBLE SOLAR PANEL

TS-FS20



Electrical Characteristics under STC*

Model No.:	TS-FS20
Maximum Power-Pmax(Wp)	20W
Voltage at Maximum Power-Vmp(V)	19.8V
Current at Maximum Power-Imp(A)	1.02A
Open Circuit Voltage-Voc(V)	23.8V
Short Circuit Current-Isc(A)	1.1A
Solar Cell Efficiency(%)	21.3
Power Tolerance(%)	0/+3

Dimensions

Length(mm)	420
Width(mm)	280
Thickness(mm)	1.8
Weight(kg)	0.45

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