FLEXIBLE SOLAR PANEL
TS-FS120M

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
- Authorised photovoltaic certificates
- Series of internal harsh tests
- Linear performance warranty

FSM series is at the top of the range, thanks to the use of selected high efficiency crystalline silicon cells, reaching a record 21% conversion of sunlight into electricity and with a pleasant appearance,thanks to back-contact technology which hides the electrical contacts. crystalline cells represent the most advanced available technology on the market, and make the Top Solar panels the highest-efficiency flexible panels.
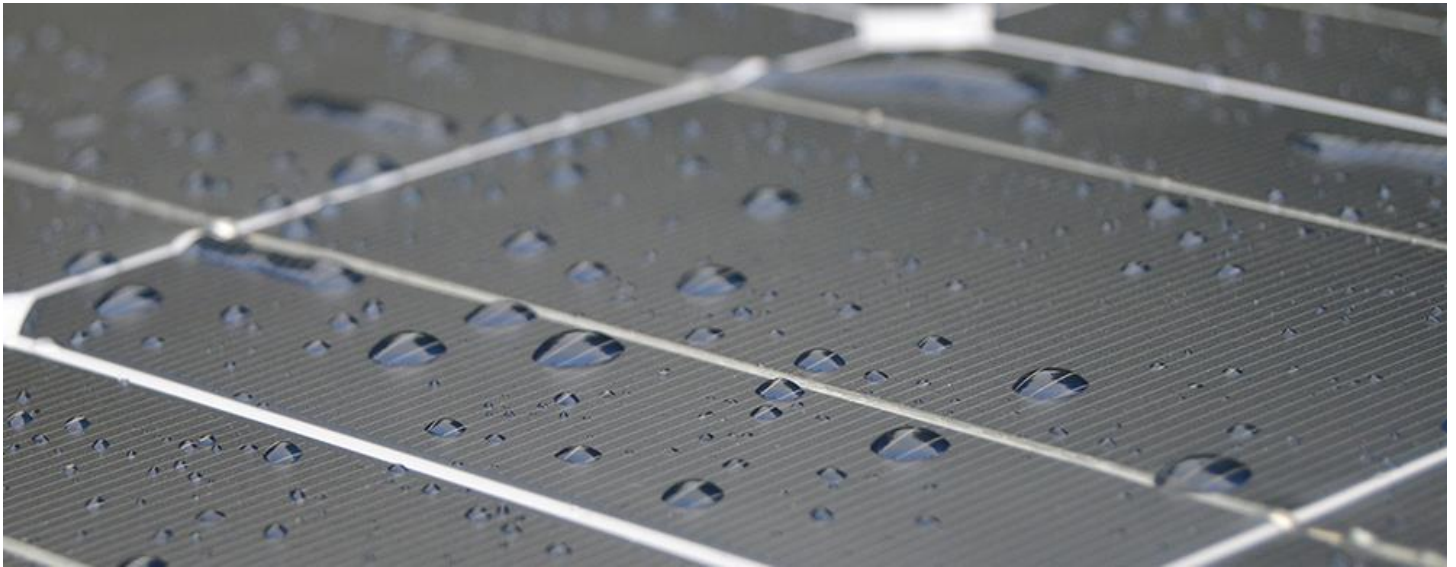
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TOP SOLAR

Electrical Characteristics under STC*

Model No.:	TS-FS120M
Maximum Power-Pmax(Wp)	120W
Voltage at Maximum Power-Vmp(V)	19.44V
Current at Maximum Power-Imp(A)	6.18A
Open Circuit Voltage-Voc(V)	23.76V
Short Circuit Current-Isc(A)	6.56A
Solar Cell Efficiency(%)	21.8
Power Tolerance(%)	0/+3

Mechanical Characteristics

Cell Type	Monocrystalline solar cell
Number of Cells	36(4*9)
Dimension(mm)	1000*670*1.8
Weight(kg)	3.1
Frontsheet	PET
Backsheet	TPT,white/black/blue
Frame	Frameless
Junction box	IP67,bypass diodes
Output cables	4mm²,90cm,MC4

Temperature Characteristics

Temperature Coefficient of Pmax(%)	−0.42%/°C
Temperature Coefficient of Voc(%)	−0.32%/°C
Temperature Coefficient of Isc(%)	0.04%/°C

Maximum System Ratings

Operating Temperature	−40℃ to +85℃
Maximum System Voltage	300V 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