FLEXIBLE SOLAR PANEL TS-EFS160M







GIVING YOU MORE



3% positive tolerance



Authorised photovoltaic certificates



Series of internal harsh tests



Linear performance warranty

EFSM 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.

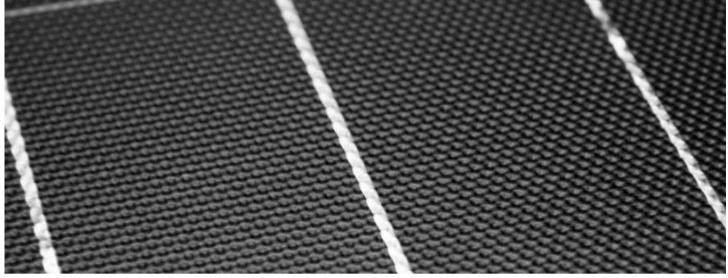
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FLEXIBLE SOLAR PANEL

TS-EFS160M



Electrical Characteristics under STC*

Model No.:	TS-EFS160M	
Maximum Power-Pmax(Wp)	160W	
Voltage at Maximum Power-Vmp(V)	19.51V	
Current at Maximum Power-Imp(A)	8.21A	
Open Circuit Voltage-Voc(V)	23.83V	
Short Circuit Current-Isc(A)	8.71A	
Solar Cell Efficiency(%)	19.8	
Power Tolerance(%)	0/+3	

Mechanical Characteristics

Monocrystalline solar cell
36(4*9)
1460*670*3
2.6
ETFE
TPT, white/black/blue
Frameless
IP68, bypass diodes
4mm ² ,90cm,MC4

Temperature Characteristics

Temperature Coefficient of Pmax(%) Temperature Coefficient of Voc(%) Temperature Coefficient of Isc(%)



Maximum System Ratings

Operating Temperature Maximum System Voltage Maximum Series Fuse Rating **−40°**C to +85°C 600V DC 20A









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