FLEXIBLE SOLAR PANEL TS-EFS180





GIVING YOU MORE

(+3)

3% positive tolerance



Authorised photovoltaic certificates



Series of internal harsh tests



Linear performance warranty

EFS 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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FLEXIBLE SOLAR PANEL

TS-EFS180



Electrical Characteristics under STC*

Model No.:	TS-EFS180
Maximum Power-Pmax(Wp)	180W
Voltage at Maximum Power-Vmp(V)	29.75V
Current at Maximum Power-Imp(A)	6.06A
Open Circuit Voltage-Voc(V)	36.23V
Short Circuit Current-Isc(A)	6.37A
Solar Cell Efficiency(%)	22.5
Power Tolerance(%)	0/+3

Mechanical Characteristics

Cell Type	Sunpower solar cell	
Number of Cells	54(6*9)	
Dimension(mm)	1185*800*3	
Weight(kg)	3	
Frontsheet	ETFE	
Backsheet	TPT, white/black/blue	
Frame	Frameless	
Junction box	IP68, by pass diodes	
Output cables	4mm²,90cm,MC4	

Temperature Characteristics

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

–0.35%/°C
–58.9mV/°C
2.6mA/°C

Maximum System Ratings

Operating Temperature	-40
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 °C, wind speed 1m/s The specifications in this datasheet are subjected to change without prior notice