

RED
SOLAR

SUNFLEX
series

FLXSG-TF-M2-200W

SOLAR MODULE MONOCRYSTALLINE

The flexible FLXSG-TF-M2 panels of the Sunflex series with glass-free polymer technology and material are also thin and as light as 3.5kg/m^2 , which is only 30% of the weight of rigid solar panels.



QUALITY BENEFITS

High-Efficiency Monocrystalline Cells

Also known as Sunpower cells, they can achieve an efficiency of up to 24.4%.

Excellent strength

With a new composite of polymer and ETFE material, the panel stands out for its thinness, lightness and impact resistance.

Modern aesthetics

The all-black design blends in perfectly with any architectural construction.

Strong protection

Anti-corrosion and strong anti-UV performance. Can be used in all conditions without affecting solar absorption.

Multiple uses

Easy installation and light weight makes it suitable for all types of scenarios: vehicles, balconies, yachts, etc.

Environmentally responsible

Reduced carbon footprint and negative environmental impact, thanks to energy savings and sustainability.

SPECIFICATIONS

Electrical parameters

Max. Power (Pmax)	200W
Module Efficiency (%)	22.7%
Max Power Voltage (Vmp)	31,3V
Max Power Current (Imp)	6,39A
Open Circuit Voltage (Voc)	36,6V
Short Circuit Current (Isc)	6,71A
Operating temperature (°C)	-40°C~+85°C
Max System Voltage (V)	600V DC
Output tolerance	±3%

Temperature

Temp. Coef. Pmax (%)/°C	-0,35%/°C
Temp. Coef. Voc (%)/°C	-0,275%/°C
Temp. Coef. Isc (%)/°C	0,045%/°C

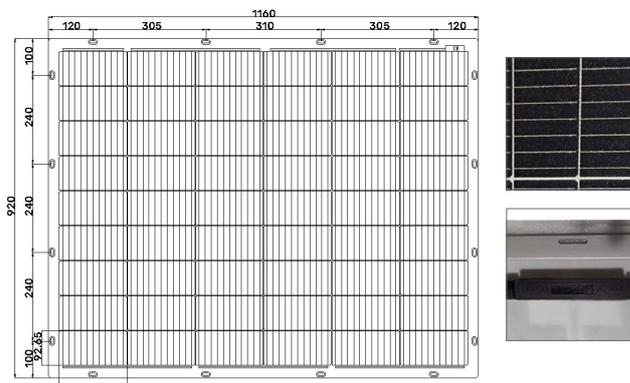
Mechanical parameters

Cell type	182 Monocristallyne
Number of cells and connections	54(6x9)
Dimensions (mm)	1160x920x3mm
Dimensions junction box (mm)	142x27x18mm
Weight (kg)	4,64 kg
Output cable	JB (2*bypass diodes) + 900mm/4mm ² cable + MC4 compatible
Protection	IP68
Certifications	CE, ROHS
Maximum bending arch height	180mm

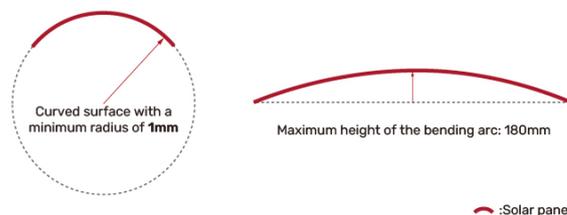
Certifications and warranty

Product warranty	6 years
Power output warranty	20 years

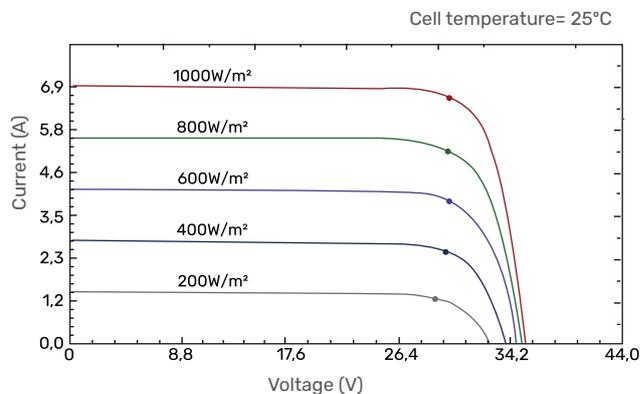
Diagrams



Solar panel bending diagram



I-V curves at FLXSG-TF-M2-200W at different irradiances



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