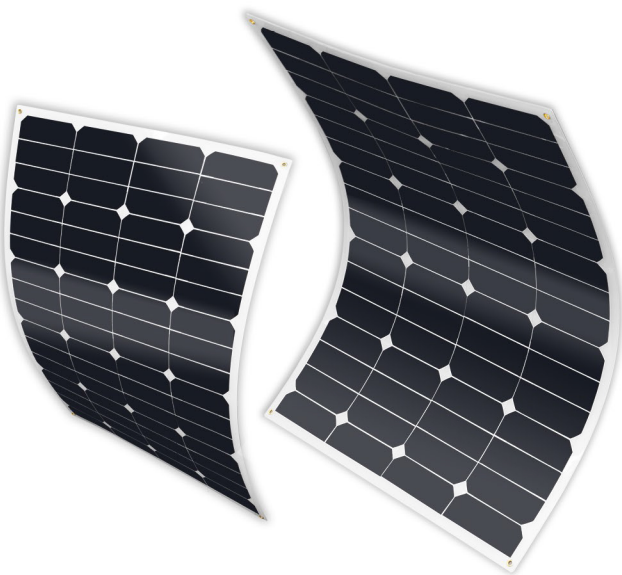


FlexSolar

FlexSolar Solar Panels 50Wp, 60Wp, 100Wp, 130Wp

Applications

Boat, campervan, isolated house, camping...



Performance Warranty

Guaranteed output of 80% for 25 years

- Ultra lightweight
- Ultra flexible (up to 60%)
- Only 3mm thickness
- Waterproof junction box on the front
- Sunpower “back contact” cells
- Fastening points to fix it everywhere

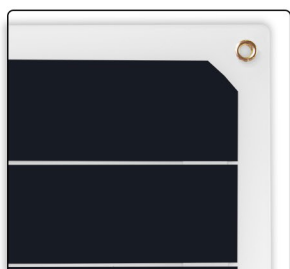
Mechanical Characteristics

	Dimensions (mm)	Weight (Kg)
50W	557x 535 x 3	1
60W	738x535x3	1,3
100W	1050x540x3	1,7
130W	1435x540x3	2

High efficiency solar panels FlexSolar are ideal for any mobile application.

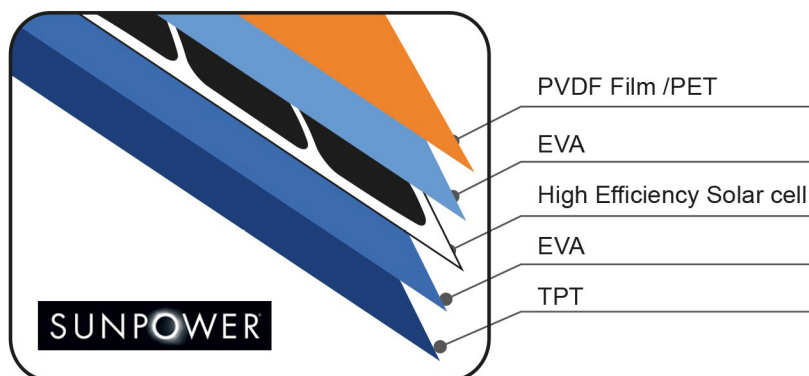
Their low weight and fineness enable them to adapt to the requirements of nomadism, professional or amateur: hiking, mountain, construction, medical ...

Solar panels FlexSolar can be glued or simply set on a bridge, on the roof of a vehicle...



High Efficiency Sunpower "Back Contact" Cells

FlexSolar solar module adopts the highest efficiency cell in the world from USA, with efficiency up to 20% or higher, which enable 25-30% higher power generation than the conventional PV modules at the same size. By adopting the back contact technique, the cell can be coated with the flexible materials and finally forms the high efficiency flexible solar panel.



Specifications

Module Type	50W	60W _{12V}	60W _{24V}	100W	130W
Maximum Power Pm (W)	50	60	60	100	130
Tolerance (%)	+5				
Open Circuit Voltage Voc (V)	21,2	21,0	42,3	21,6	29,4
Short Circuit Current Isc (A)	3,05	3,67	1,86	5,97	5,76
Maximum Power Voltage Vm (V)	17,6	17,5	35,2	17,8	24,4
Maximum Power Current Im (A)	2,84	3,43	1,71	5,62	5,32
Module Efficiency (%)	17-20				
Solar Cell Efficiency (%)	22,5				
Cell Type (mm)	125/2	125/3	125/3	125	125
Number of Cells (Pcs)	16x2	20,3x3	20,3x3	36	44
Maximum System Voltage (V)	1000				
Temp. Coeff. of Voc (%/°C)	-0.43				
Temp. Coeff. of Isc (%/°C)	-0.019				
Temp. Coeff. of Pm (%/°C)	-0.43				
Max. Series Fuse (A)	14				
All Rating at STC 1000W/m ² Am 1,5 Spectrum, 25°C					