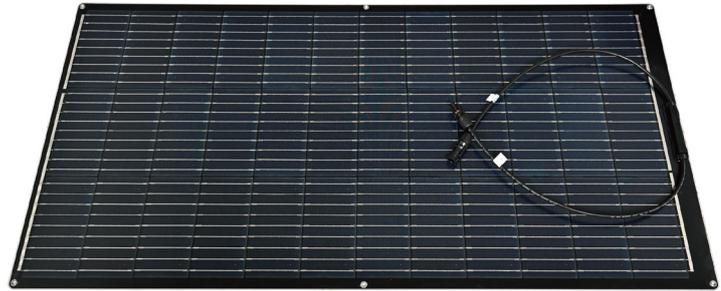




Flexible solar panel (FP-100W)



Product description

The FP series is a very strong and durable lightweight solar panel with better flexibility than traditional options, combining high-efficiency black silicon polycrystalline solar cells with half-cut cell technology to improve electrical performance and power generation efficiency, the weight is minimized. It is the perfect choice for any off-grid solar system, especially for transportation applications such as RVs and boats.

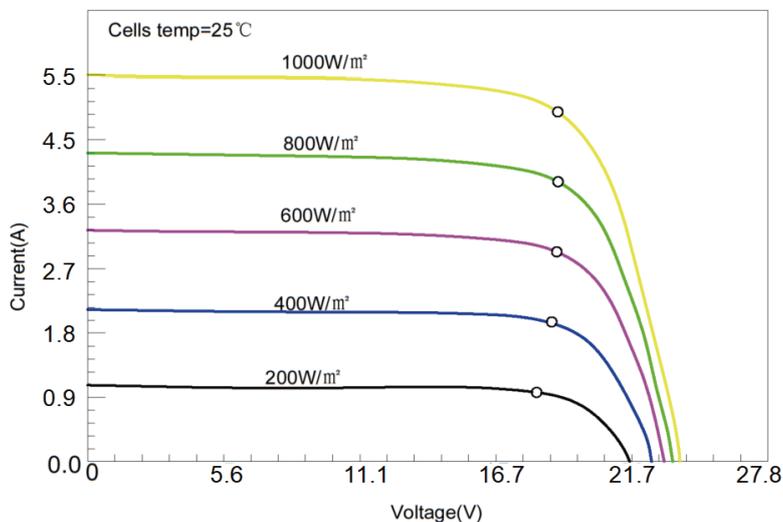
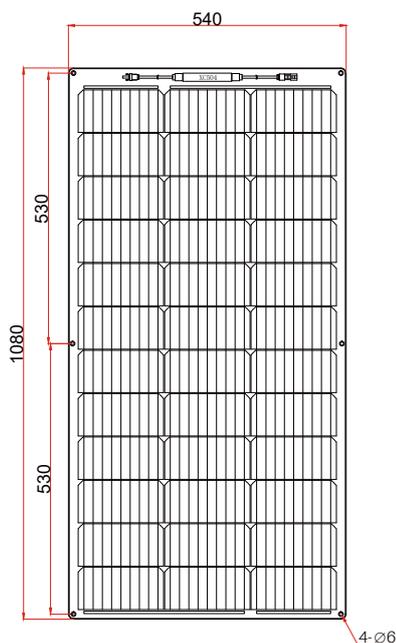
Features



1. Black Panel Design: Specifically designed for the best possible integration into the surface on which they are installed.
2. Ultra-lightweight and flexible: Using advanced polymer materials, the product is 70% lighter than traditional solar panels.
3. Ultra-thin and durable: The tough surface is very durable and can resist strong cracks and long-term UV exposure, and the solar panel is only 3mm / 0.118 inches thin.
4. Ultra-high power: The conversion rate is 21.10%, and the light solar panels can provide an average of 500 watt-hours of electricity per day (depending on the availability of the sun)



Module Diagram



FP-100W

Product parameters

Maximum power(Pmax)	70W	100W
Open-circuit voltage(Voc)	23.3V	23.3V
Voltage at Pmax(Vmp)	19.8V	19.8V
Short-circuit current(Isc)	3.82A	5.45A
Current at Pmax(Imp)	3.54A	5.05A
Cells efficiency(%)	21.10%	
The maximum system voltage	200V DC(IEC)	
Power temperature coefficient	-0.38%/°C	
Voltage temperature coefficient	-0.36%/°C	
Current temperature coefficient	0.07%/°C	
Output power tolerance	±3%	
Operating temperature	-20~75°C	
Connector	MC4	
Junction box	XC504	
Solar cell	Polycrystalline black silicon solar cells	
Weight	2.0kg	2.5kg
Module dimension	746*532*3mm	1080*540*3mm
No.of cells and connections	12(3*4)	12(3*4)
Product configuration	A 10SQ050 diode; 500mm/2.5mm² photovoltaic single-core wire; MC4 connector	
Packing	1 piece into a bubble bag, 1 piece in 1 inner carton, 10 pcs in an inner carton and an outer carton	

*SUNGOLD offer customize service, please refer to our website or ask SUNGOLD workers for more sizes and the latest parameters.