



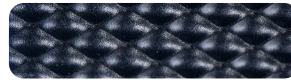
## Flexible Solar Panel ( SGM-FL-90W )



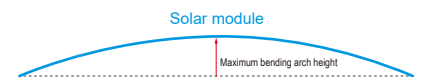
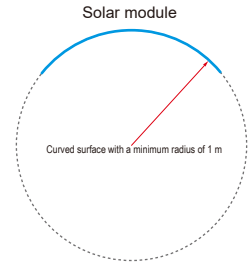
SURFACE: (Glossy) X



SURFACE: (Glossy) L



JUNCTION BOX: (Model) A



## Product Description

Sungold SP flexible solar panel uses back contact SunPower solar cell, with efficiency from 22.4% to 24%. Japan-imported ETFE materials allow the solar panels to resist high temperatures at 242 °C, and their transmittance is over 95%. Moreover, it features excellent waterproof performance.

SP series are more flexible than conventional flexible solar panels like FP series since they can bend 30° at maximum. It's an aerodynamic design that can reduce wind resistance when installed on the rooftop of an RV or yacht.

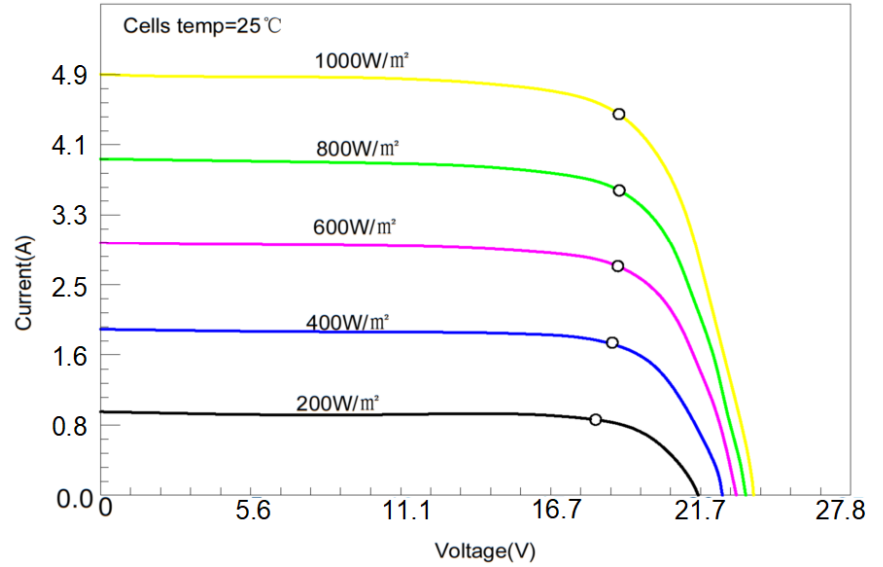
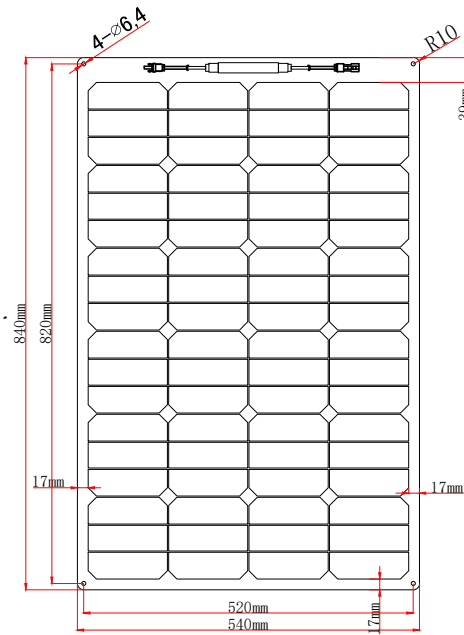
## Features

1. Back contact SunPower cell, and its efficiency is up to 22.4% - 24%
2. Super weak light performance when shading
3. Reinforced anti-crack material
4. ETFE surface, ultra-light, high-temperature resistance, corrosion resistance
5. Thin, flexible, aesthetic, and longer lifespan





## Module Diagram



SGF-FL-90W

## Product Parameters

Model	20W	45W	60W	65W	90W	120W	135W	150W	165W	
Open-circuit voltage(Voc)	20.7V	23.3V	20.7V	23.3V	23.3V	23.4V	26.3V	29.2V	32.1V	
Voltage at Pmax(Vmp)	17.6V	19.8V	17.6V	19.8V	19.8V	19.8V	22.3V	24.8V	27.3V	
Short-circuit current(Isc)	1.20A	2.41A	3.61A	3.48A	4.82A	6.41A	6.41A	6.41A	6.41A	
Current at Pmax(Imp)	1.14A	2.27A	3.41A	3.28A	4.55A	6.05A	6.05A	6.05A	6.05A	
Cells efficiency(%)	24.40%									
The maximum system voltage	45V DC(IEC)									
Power temperature coefficient	-0.32%/°C									
Voltage temperature coefficient	-1.8mv%/°C									
Current temperature coefficient	0.05%/°C									
Output power tolerance	±3%									
Operating temperature	-10~60°C									
Waterproof junction box	IP67									
Solar cell	SunPower									
Certificate	ROHS; CE;FCC									
Warranty	1 year									
Junction box	PV-XC504	PV-XC504	PV-XC504	PV-XC504	PV-XC504	PV-XC504	PV-XC502	PV-XC503	PV-XC503	
Maximum curved arch height	10mm	10mm	25mm	10mm	25mm	40mm	95mm	95mm	95mm	
Module dimension	410*285*3mm	560*425*3mm	580*540*3mm	625*540*3mm	840*540*3mm	1070*540*3mm	1200*540*3mm	1330*540*3mm	1460*540*3mm	
No.of cells and connections	32(2*16)	36(4*9)	32(4*8)	36(4*9)	72(4*18)	32(4*8)	36(4*9)	40(4*10)	44(4*11)	
Weight	0.51kg	0.83kg	1.23kg	1.31kg	1.70kg	2.18kg	2.34kg	2.63kg	2.86kg	
Packing	1 piece into a bubble bag, inner box 10 inner boxes into an outer box, carton K434K material.							1 piece into a bubble bag, inner box 5 inner boxes into an outer box, carton K434K material.		

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