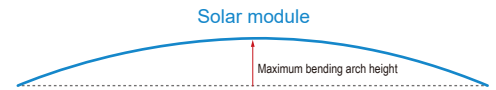
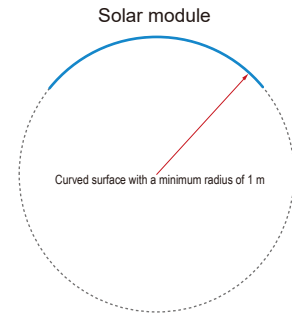
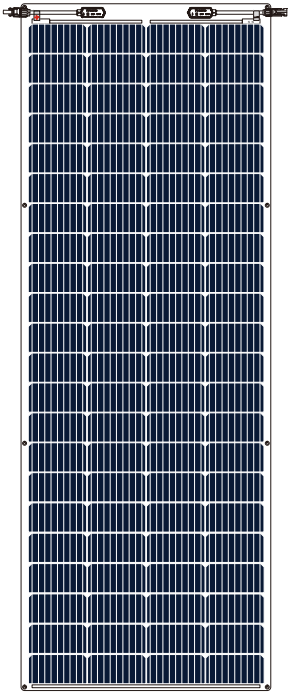




## Flexible Solar Panel (SG-TF-M-270W)



## Product Description

Sungold TF series photovoltaic panel is an innovative glass-free solar panel. It adopts proven crystalline silicon solar cell.

Its technology and polymer composite material truly realize glass-free, lightweight, and thin new flexible solar panels, also TF series is as light as 3.5 kg/m<sup>2</sup>, which is only 30% of rigid solar panels.

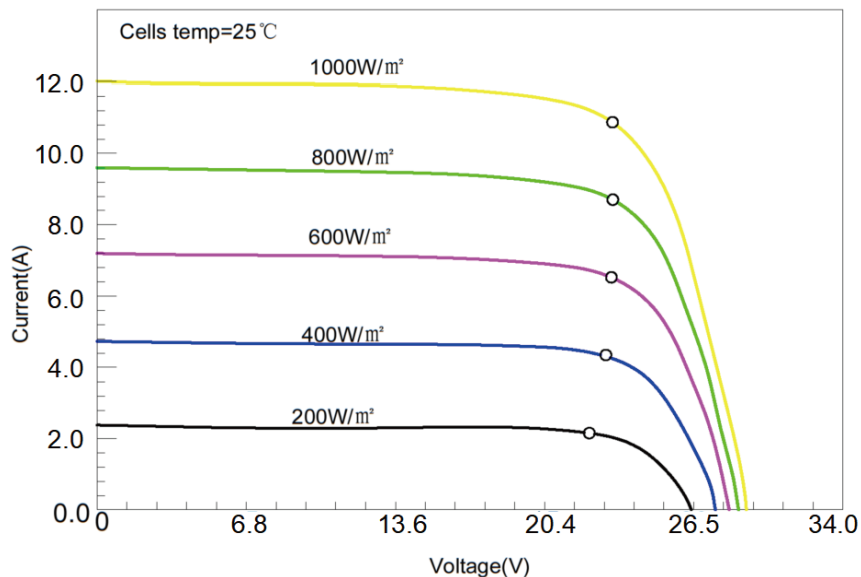
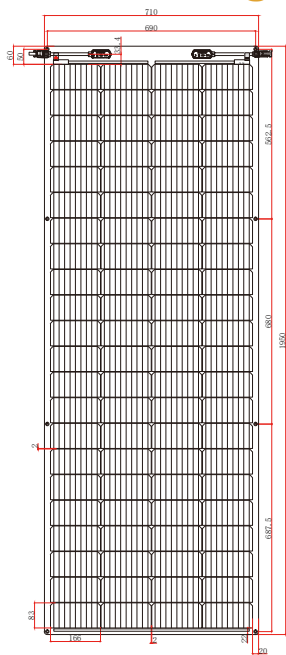
## Features

1. Independent research and development of materials, stronger impact resistance.
2. 5-year warranty.
3. Ultra-light and glass-free, with a thickness of only 2mm.
4. Has passed PID, Salt mist, and ammonia corrosion tests.





## Module Diagram



SG-TF-M-270W

## Product Parameters

Maximum power(Pmax)	55W	70W	110W	150W	200W	220W	245W	270W
Open-circuit voltage(Voc)	23.4V	23.4V	23.4V	23.4V	20.8V	23.4V	25.9V	28.6V
Voltage at Pmax(Vmp)	19.8V	19.8V	19.8V	19.8V	17.6V	19.8V	22.0V	24.2V
Short-circuit current(Isc)	2.94A	3.75A	5.89A	8.03A	12.05A	11.78A	11.80A	11.83A
Current at Pmax(Imp)	2.77A	3.53A	5.55A	7.58A	11.36A	11.11A	11.14A	11.16A
Cells efficiency(%)	22.62%							
The maximum system voltage	600V 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	-40~85°C							
Waterproof junction box	IP67							
Certificate	ROHS; CE							
Solar cell	166 mono solar cells							
Warranty	5 years							
Backplane Color	White / Black							
Weight	1.13kg	1.45kg	2.10kg	2.81kg	3.63kg	4.08kg	4.53kg	4.96kg
Junction box	XC504	XC504	XC504	PV-HX021B	PV-SG018	PV-SG018	PV-SG018	PV-SG018
Maximum curved arch height	45mm	70mm	150mm	160mm	240mm	270mm	320mm	360mm
Module dimension	580*540*2mm	745*540*2mm	1080*540*2mm	1110*710**2mm	1435*710*2mm	1610*710*2mm	1780*710*2mm	1950*710*2mm
No.of cells and connections	36(3*12)	36(3*12)	36(3*12)	72(4*18)	64(4*16)	72(4*18)	80(4*20)	88(4*22)
Packing	1 piece into 1 bubble bag and then into a carton (K434K paper), 10 small cartons into a large carton (K636K paper)					1 piece into 1 bubble bag and then into a carton, 5 small cartons into a large carton (K636K paper)		

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