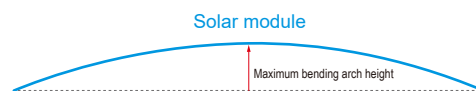
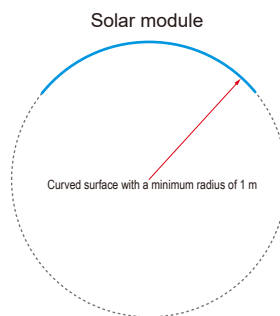
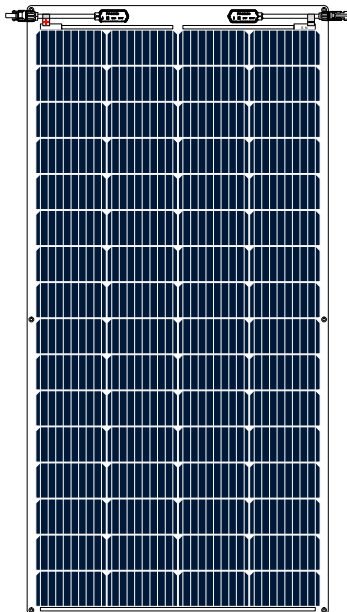




Flexible Solar Panel (SG-TF-M-200W)



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/m², which is only 30% of rigid solar panels.

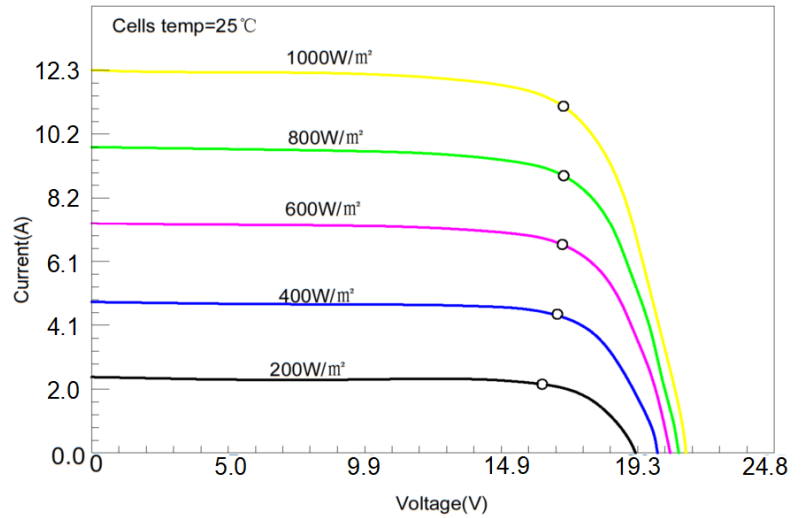
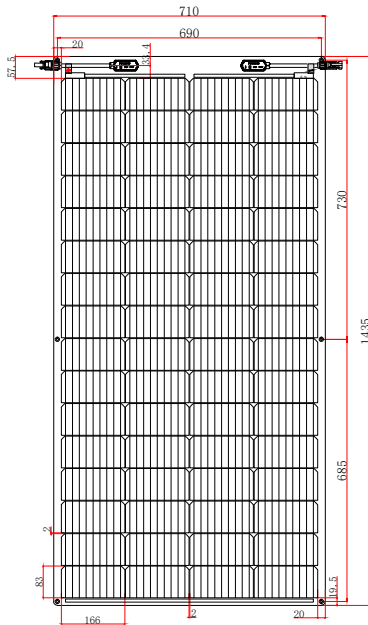
Features

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-200W

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.