Flexible Solar Panel 100 Watt 12 VMonocrystalline Bendable Solar Panels

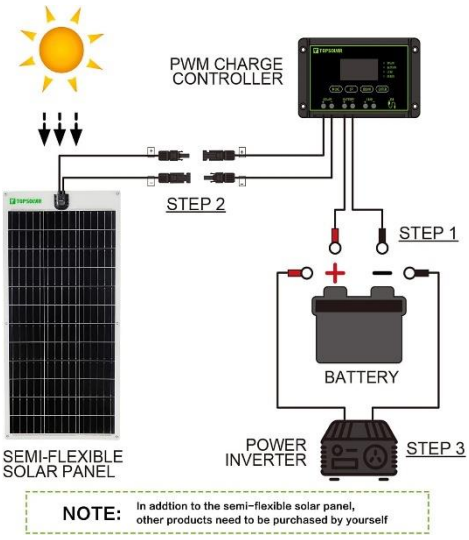
Product Features

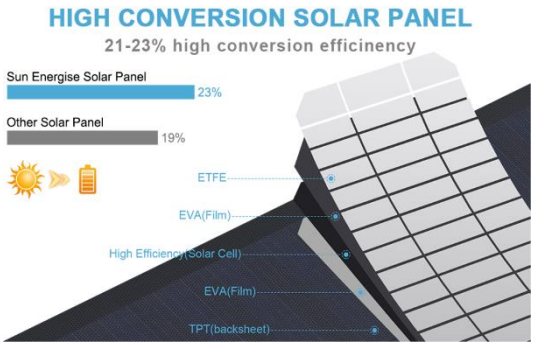
- 【Perfect Flexible Solar Panel】This flexible solar panel can perfectly match curved surface to get lowest wind resistance. It can be applied in Rooftops, RV, Boats, Trailers, Tents, SUV, Trucks, Yachts, Camping and any curvy surfaces to get solar power energy.
- 【Lightweight & Thin】3.527lb weight & 0.09 in thickness, 80% lighter & 95% thinner than conventional solar panels. Flexible solar panels are easy for transportation, installation, hoisting, and demolition.
- 【High Conversion Efficiency】Up to 22.3% conversion efficiency, monocrystalline solar cell with surface matrix distributed dots can refract and utilize sunlight twice to increase conversion rate.
- 【Enhanced Protection】IP67 Protection. This solar panel with multilayer lamination & resin-filled junction box could resist rain, snow, fog and lightning outdoor. Solar panel battery charger also was designed to withstand extreme wind of up to 2400 Pa and snow loads of up to 5400 Pa.
- 【Ease of Installation】Fixed with silicon glues, adhesive, double sticky tapes, Velcro or zip ties. 4 stainless installation holes on the edge of solar panel. Extended 18 months warranty.

Electrical Parameter

STC: AM1.5 1000W/ M^2 25°C	
Test Condition	STC
P_{max}	100 W
V_{mp}	18.2V
V_{oc}	21.8V
I_{mp}	5.49A
I_{sc}	5.76A
Operating Module Temperature	-40 °C / +85 °C
Efficiency	22.3%
Power Tolerance	±3 %

System composition





Mechanical Parameter

Mechanical	
Solar Cells Dimension	Mono 182*91mm
NO. Of cells	144(6×24)
PV Dimension	838.2 x 680.7 x 2.28mm
Weight	1.59Kg
Junction Box	IP67 rated
Output cable	TUV
	4.0 MM2 (0.16 in2), Length：900mm（customizable）
connector	Original MC4/ compatible with MC4

Product Images

Certifications and standards:
IEC 61215, IEC 61730, conformity to CE
IEC
TÜVRheinland
CE
ISO
RoHS