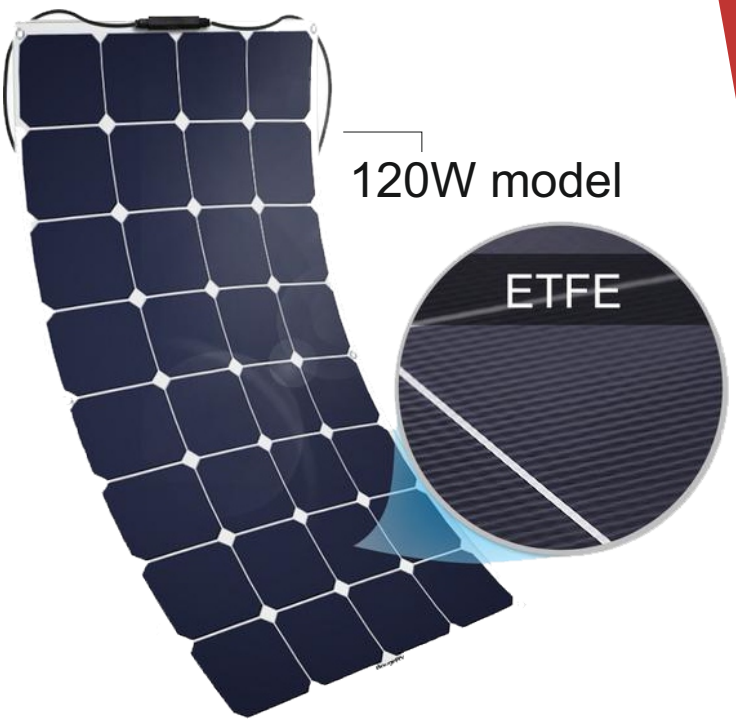
NEW

Semi-Flexible Solar Panels
ETFE 18W | 55W | 120W | 150W

These 12V flexible solar panel's first layer is made of Ethylene tetrafluoroethylene (ETFE). ETFE is a much more expensive and higher quality material than Polyethylene terephthalate (PET). Also, the monocrystalline cell has a higher conversion efficiency (20.4%). With up to 140mm bending height these solar panels can be used in many different fields - RV, Camper, Bus, Car, Boat + Yachts.

The Multi-grid panel is less affected by cracks, has more interconnection points, power generation features can resist cell cracks or fractures and reduce crack failures.

This means you can walk on it and has a high level of durability.



Electrical Characteristics:				
Maximum power(Pmax)	18W	55W	120W	150W
Voltage at Pmax(Vmp)	17.2V	17.2V	17.8V	17.8V
Current at Pmax(Imp)	0.96	2.94	6.42	8.02
Open circuit voltage(Voc)	18V	18V	20.4V	20.6V
Cells Efficiency(%)	20.30%	20.30%	20.40%	20.40%
The maximum system voltage	100VDC(IEC)	100VDC(IEC)	100VDC(IEC)	100VDC(IEC)
Power temperature coefficient / Deg C	-0.39%	-0.39%	-0.39%	-0.39%
Voltage temperature coefficient / Deg C	-0.30%	-0.30%	-0.30%	-0.30%
Current temperature coefficient / Deg C	0.04%	0.04%	0.04%	0.04%
Output power tolerance	±3%	±3%	±3%	±3%
NOCT	45±2DegC	45±2DegC	45±2DegC	45±2DegC
Data under standard testing conditions(STC):1000W/M²; 1.5AM				
Specifications:				
Contruction	surface ETFE EVA backboard TPT	surface ETFE EVA backboard TPT	surface ETFE EVA backboard TPT	surface ETFE EVA backboard TPT
Module dimension	410 x 285 x 3 mm	580 x 540 x 3mm	1200 x 540 x 3mm	1460 x 540 x 3mm
Weight	0.9Kg	1.4KG	2.3KG	3.0KG
No.of cells and connections	4*8	4*8	4*8	4*8
Maximum bending arch height	15mm	30mm	80mm	140mm
CODE	**SP18**	**SP55**	**SP120**	**SP150**