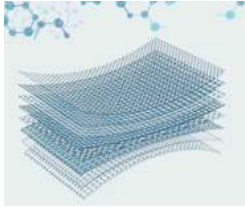
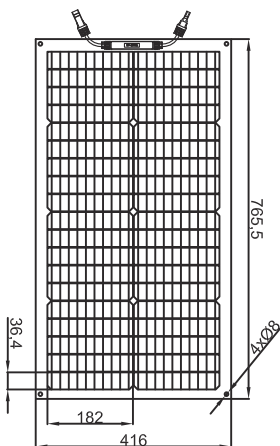
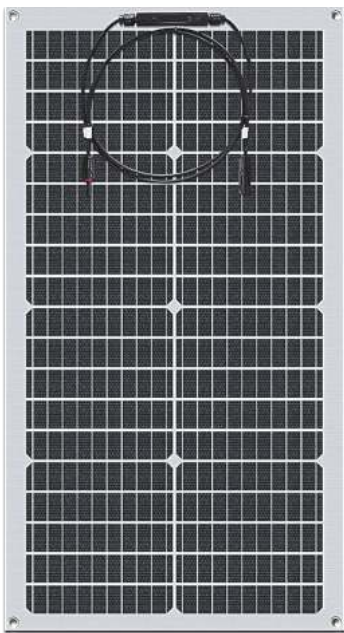


# 50 Watt Composite Flexible Solar Panel



High Polymer Materials



## Product Advantages

- ◆ Made of High efficiency Monocrystalline PERC solar cell.
- ◆ The special high strength polymer material intergrated, Increase the flexibility and durability, To protect the cell cracked from the bending, External impact, Trample ect. Extend the solar panel lifespan 2~3 years.
- ◆ Thanks to the high polymer materials, The gross weight reduce 15~20%, Ideal for the projects require lightweight and flexibility.

## Electrical Characteristics

Max Power/Pmax	50W
Max Power Voltage/Vmp	19V
Max Power Current/Imp	2.63A
Open Circuit Voltage/Voc	22.8V
Short Circuit Current/Iscc	2.89A
Maximum System Voltage	600V
Series Fuse Rating	10A
Cell Efficiency	>23%
Number of Cells in Series	38
Cell Dimension	182*36.4mm
Max Power Tolerance	+ (0~3W)

\* STC: Irradiance 1000W/m<sup>2</sup>, Cell Temperature 25°C, AM 1.5

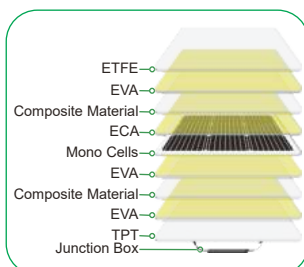
## Temperature Co-efficients

Power	-0.38%/°C
Voltage	-60.08mV/°C
Max Power Current	2.2mA/°C

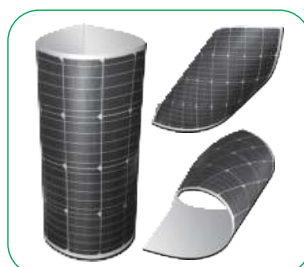
## Mechanical Characteristics

Weight	0.7kg
Dimension	765.5*416*2mm
Cable	90cm 2x4.0mm <sup>2</sup> MC4 connector

## Product Features



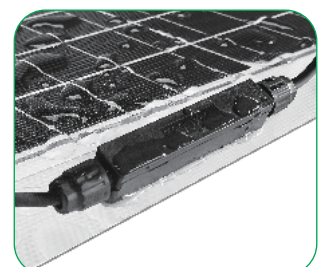
Structure Layers



Extremely Flexible



Durable and Strong



IP67 Waterproof