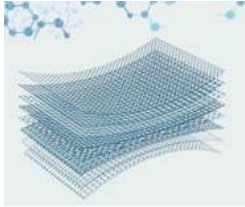
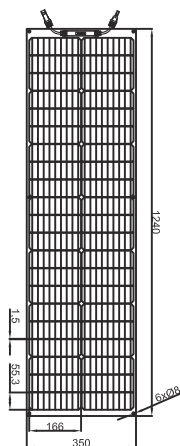
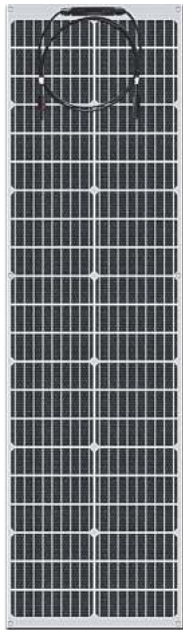


# 90 Watt Composite Flexible Solar Panel



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/P <sub>max</sub>            | 90W        |
| Max Power Voltage/V <sub>mp</sub>     | 21V        |
| Max Power Current/I <sub>mp</sub>     | 4.29A      |
| Open Circuit Voltage/V <sub>oc</sub>  | 25.2V      |
| Short Circuit Current/I <sub>sc</sub> | 4.72A      |
| Maximum System Voltage                | 600V       |
| Series Fuse Rating                    | 10A        |
| Cell Efficiency                       | >23%       |
| Number of Cells in Series             | 42         |
| Cell Dimension                        | 166*55.3mm |
| Max Power Tolerance                   | + (0~3W)   |

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

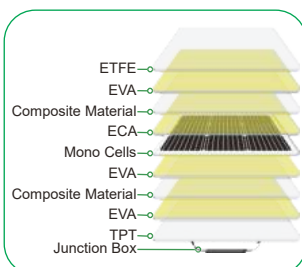
## Temperature Co-efficients

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

## Mechanical Characteritics

|           |                                         |
|-----------|-----------------------------------------|
| Weight    | 1.1kg                                   |
| Dimension | 1240*350*2mm                            |
| Cable     | 90cm 2x4.0mm <sup>2</sup> MC4 connector |

## Product Features



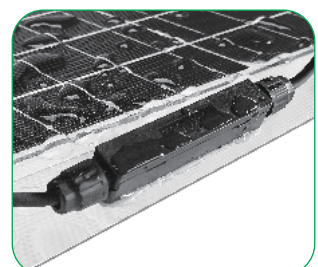
Structure Layers



Extremely Flexible



Durable and Strong



IP67 Waterproof