

Solar Panel SEMI-FLEXIBLE



v 1.0



The Semi-Flexible solar panel series SF are made out of the highest quality and highest conversion rate Sunpower Crystalline silicon cells, ultra-high performance thin Polymer film surface and very light weight Polymer backing

These semi Flexible panels are made to meet specific needs and demands of multiple markets including :

- Residential rooftops
- Transportation
- Marine
- Military applications
- Mobile and transportable applications
- Off-Grid

Features :

- ⇒ Custom shapes , size and fixation
- ⇒ Over 60% lighter than glass based panels
- ⇒ Very high efficiency 20.2%
- ⇒ Extremely robust
- ⇒ Shatterproof
- ⇒ Low glare



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SF 72Wc Panel

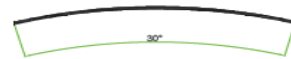
Design principles

Electrical Characteristics

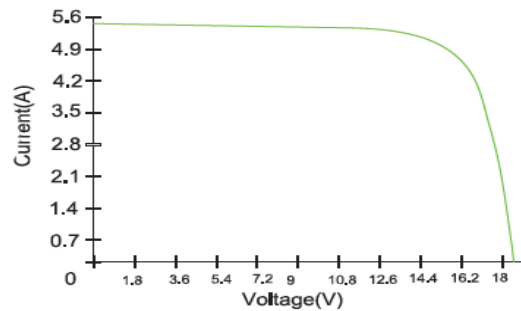
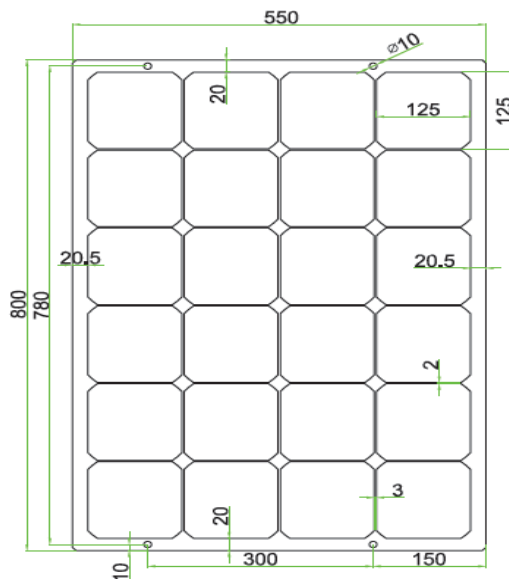
Max Power	Pmax	72W
Max Power Voltage	Vmp	13.4V
Max Power Current	Imp	5.37A
Open Circuit Voltage	Voc	16.4V
Short Circuit Current	Isc	5.77A
Maximum System Voltage		600V
Series Fuse Rating		10A
Temperature Co-efficients		
	Power	-0.38%/°C
	Voltage	-60.8mV/°C
	Current	2.2mA/°C
Cell Efficiency		20.2%
Number of Cells In Series		24
Max Power tolerance		±5%

Mechanical Characteristics

Weight	1.72KG
Dimension	800*550*3
Frame	>10um clear anodized



Maximum recommended bending degree: 30 degree



Note: All electrical parameters are rated at standard test conditions (Irradiance of 1000W/m², AM 1.5G, cell temperature 77°F/25°C)



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