



#### Quality Product

All Manufactured modules are tested 100% by EL (Electroluminescence) during the Production Process & Free from micro cracks.

Our high-performance modules are highly efficient, reliable and provide optimal output.

The company manufactures solar modules in compliance with global standard including IEC 61215, 61730-1, 61730-2, 61701, UL 1703, UL 61730, ISO 9001:2008 & ISO 14001:2004 & 18001:2007.

#### High Efficiency .

High Module efficiency is obtaining top performance even in diffused light conditions.

We are leaders in providing our customers with maximum sunlight conversion.

#### Application Possibilities

Residential and Commercial rooftops, Car ports, Solar Farming, Balconies, Awnings, Street lights, Fences, and Canopies.

#### Our Team

We have a team of qualified experts and engineers making sure that modules produce maximum power.

We pride ourselves in caring for each individual customer needs with detailed attention. Our end goal is to give a highly efficient product with exceptional customer service.

#### Guarantee

Our product is durable and has 10 years performance warranty. Integrated manufacturing of cells & modules in production line guarantees optimum performance.

#### US OFFICE:

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**Electric Performance Parameter**

Model	Flexible PV-SS100W18V
Nominal Maximum Power (Pmax/W)	100
Optimum Operating Voltage (Vmp/V)	18.57
Optimum Operating Current (Imp/A)	5.39
Open Circuit Voltage (Voc/V)	22.82
Short Circuit Current (Isc/A)	5.71

- \* Measurement Power Tolerance on Power 0 / +%
- \* Under Standard Test Conditions (STC) of irradiance of 1000W/m<sup>2</sup>
- \* Maximum System Voltage: 1000v IEC/UL
- \* Normal Operating cell Temperature (NOCT) of irradiance of 800W/m<sup>2</sup>, 43± 2° C
- \* Spectrum AM 1.5 and cell temperature of 25 °C

**Mechanical Parameter**

Module Dimensions	970 X 670 X 2.5 mm / 38.19 X 26.38 X 0.1 inch
Weight	4 kgs / 8.82lbs
Cell Size (Monocrystalline)	156x90 mm / 6.14x3.54 in
No Of Cell	36 (9 X 4)
Junction Box	IP65 with Bypass diodes
Solar Cable Length (4mm <sup>2</sup> )	600mm (23.62inch)
Connectors	MC4 compatible / IP67
Fiberglass Board	1.0mm (0.4in)
Encapsulate	EVA
Back Cover	Composite Sheet

**Temperature Coefficient**

Coefficient of Current	+0.035% /°C
Coefficient of Voltage	-0.28% /°C
Coefficient of Power	-0.38% /°C

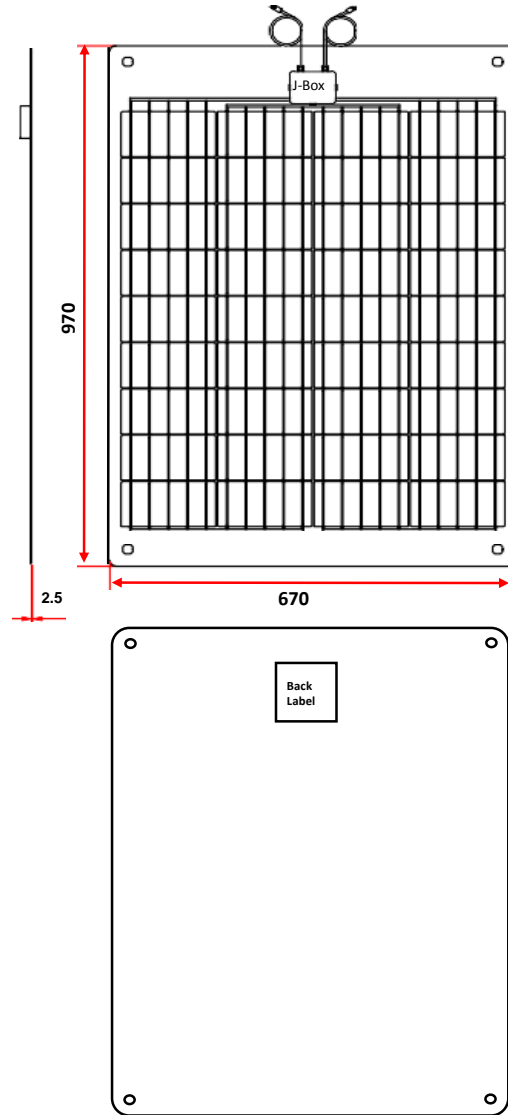
**Tested Operating Conditions**

Temperature Cycling Range	-40°C to 85°C
Humidity Freeze, Damp Heat	85% RH

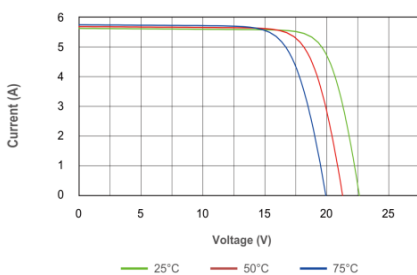
**Product Warranty**

Product Warranty	5 Years
Performance Warranty	10 Year

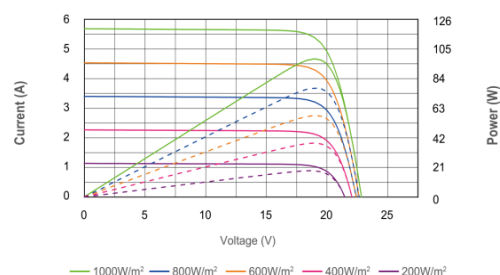
**Module Drawing**



**I-V CURVES OF PV MODULE**



**P-V CURVES OF PV MODULE**



CELL TEMP:25°C