

EYE100-18SP

Semi Flexible Solar Module

Overview

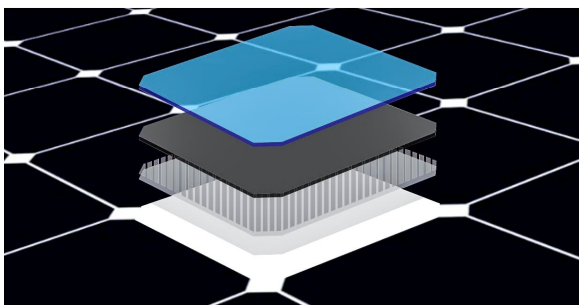
- EYONGPV sophisticated equipments, advanced technologies. and scientific management will guarantee the first-class products.
- Reliable performance Sunpower solar cell with high conversion efficiency, even if the silicon broke still has current output;
- Amazing surface, back-contact solar cell, no bus bar on the surface, can be integrated into the roof and look more beautiful.
- Rigorous quality control to meet the highest international standards.

Advantages

- Holes on panels are pre-drilled for fast mounting and securing perfect for non-permanent installations.
- Super flexible adapt to different conditions without breaking deal for storage in tight spaces or crowded areas that are typically off limits for traditional glass and aluminum models

Applications

- Boats/Sailboats, Yachts, Marine applications, Motorhomes/RVs,
- Expedition Vehicles, Commercial Trucks/Trailers, Caravans etc.
- Caravans/Popup Off-Grid and Remote Communication sites etc.



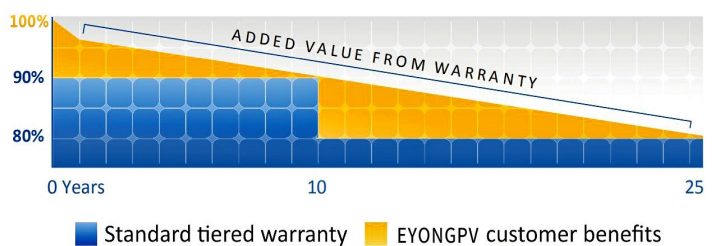
High Efficiency Cell

Providing the highest efficiency and reliability.

Strict QC Systems

- 100% Cells Sorting ensure Colour and Power Difference.
- 100% EL Testing before Lamination
- 100% "Zero" Defects Objective Before Shipment.

Only focus on portable solar since 2013!



2 year limited product warranty on materials and workmanship
Power is not less than 80% in 5 years

Certifications



Electrical Specifications

*Standard Test Conditions	(Irradiance of 1000W/m ² , spectrum AM 1.5g and cell temperature of 25 °C)	
Maximum Power P _{max}	100W	110W
Voltage at Maximum Power Point (V _{mpp})	17.6V	18.8V
Current at Maximum Power Point (I _{mpp})	5.68A	5.86A
Open Circuit Voltage (V _{oc})	21.6V	22.6V
Short Circuit Current (I _{sc})	6.24A	6.32A
Max System Voltage (IEC/UL)	700V DC	
Temperature Coefficient of I _{sc}	(+0.06% /°C)	
Temperature Coefficient of V _{oc}	(-0.33% /°C)	
Temperature Coefficient of P _{max}	(-0.41% /°C)	

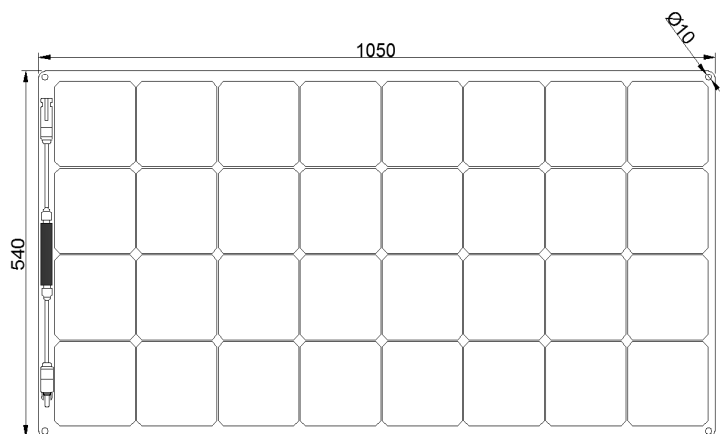
Mechanical Specifications

Cell Type	SunPower solar cell
Cell Size	125mm x 125mm (4.92" x 4.92")
No. of Cells	32 = 4 × 8 pcs
Module Dimension (L x W x T)	1050mm x 540mm x 3.0mm
Weight	1.8 kg
Front Material	High performance corrosion resistant ETFE
Grommets	316 Stainless Steel
Cable Length	900mm (35.43") for positive (+) and negative (-)
Type of Connector	MC4 compatible
Junction Box	IP67 Rated
Packing Configuration	10 pcs/Ctn, then packed in wooden box

Other Performance Data

Power Tolerance	Operating Temperature	Max Series Fuse Rating	NOCT*
-0%, +5%	-20 °C to +65 °C	8 A	45 °C ± 2 °C

Physical Dimensions (mm)



TYPICAL-V CURVE

IV CURVE

