

# SP-EN150W Solar Panel

Description Of Specification	Configuration	Units	Model SP-EN150W Poly
<b>General Data</b>			
Maximum Power	Pm(W)	Watts	150
Watt Tolerance		%	±3
Application			DC12V
Storage & Operating Temperature			-45°C ~ 85°C
Standard Test Conditions: Cell Temperature: 25°C, Irradiance: 1kW/m <sup>2</sup> , Air Mass: 1.5			
<b>Voltage &amp; Amperage</b>			
Maximum System Voltage		Volts	1000VDC
Maximum Operating Voltage	Vmp	Volts	18.8
Maximum Operating Current	Imp	Amps	8.01
Open Circuit Voltage	Voc	Volts	24.0
Short Circuit Current	Isc	Amps	8.62
<b>Solar Cell</b>			
Cell Type and Diameter			Poly 156 x 156mm
Number of Cells	In Series		36 (4x9)
<b>Temperatures Coefficients</b>			
Temp Coefficient of Isc	Tk Isc	% / °C	0.031
Temp Coefficient of Voc	Tk Voc	% / °C	-0.386
Temp Coefficient of Pmax	TK Pmax	% / °C	-0.530
Normal Op. Cell Temp (NOCT)		°C	45°C±2°C
<b>Materials &amp; Accessories Data (All Certified by CE and TUV)</b>			
Junction Box			IP65 rated
Output Cable: Wire Diameter: 4mm <sup>2</sup>	Length	mm	900
Type Of Cable Connector			MC Plug Type IV
Frame: Aluminum Alloy			Anodised
Front Glass: Tempered Glass			3.2mm, Low Iron, High Transmission
Cell Encapsulation Material			0.5mm
Backsheet Cover material			0.3mm
<b>Dimensions, Packing &amp; Loading</b>			
Dimensions: Length x Width x Height		mm	1482 x 676 x 35
Weight		kg	12

Unit 11, 1029 Manly Road, Tingalpa, 4173▲ PO Box 9159 Wynnum Plaza, Qld, 4178▲ Ph: 1300 851 535▲ Fax: 07 3390 6911▲ Email: sales@enerdrive.com.au