



Setsolar 100W Solar Panel



100W solar panel - Data sheet

SETSOLAR offers top quality thin film solar panels, manufactured in a world class production plant (OEM) using guaranteed and certified materials. SETSOLAR's TF solar module range guarantees a high performance at a low cost with a comprehensive 25 year power warranty. SETSOLAR's thin film solar module has the following features:

- ▣ Highest power output for a framed thin film silicon solar module.
- ▣ 30% lighter than a double glass thin film solar module.
- ▣ Made from nontoxic materials. Improved thin film technology delivers higher energy yield per rated Wp, owing to a low temperature coefficient and excellent performance under low light conditions. The strong anodized aluminium frame will resist high wind speed and together with a factory fitted connection box and cables will ensure a quick and easy installation.

Modules designed and manufactured according to IEC61646 & IEC 61730 standards.

<p>APPLICATIONS</p> <ul style="list-style-type: none"> Water pumping Rural Electrification Telecommunication Billboard illumination 	<p>CONTACT US</p> <p>Sales and consulting: geoff@planmypower.co.za</p> <p>Services: priscilla@planmypower.co.za</p> <p>Telephone +27 (0) 87 802 8479 +27 (0) 11 678 5101 +27 (0) 11 678 9184</p>
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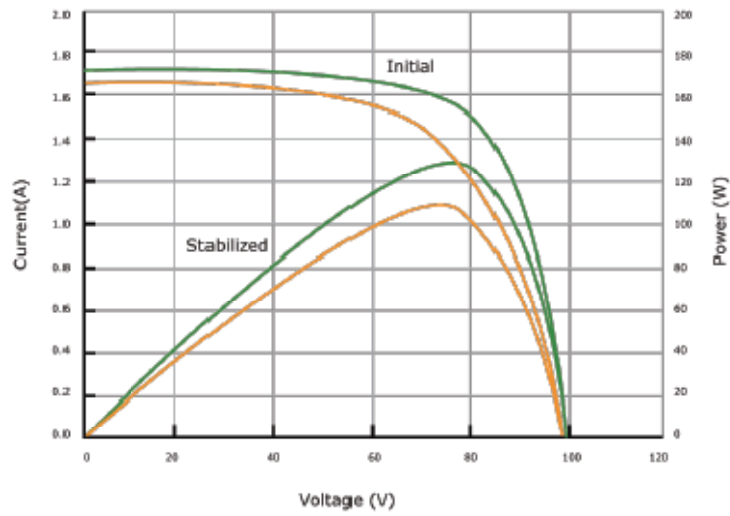
Grid Connection Systems

TYPICAL PERFORMANCE CHARACTERISTICS	
Model	TF100
Typical power (Wp)	100
Tolerance (%)	+- 5%
Voltage at max.power (V)	75
Current at max.power (A)	1.33
Open circuit voltage (Voc)	101
Short circuit current (Isc)	1.65
Standard test conditions: 1000W/m ² , AM1.5G and 25 degree C	
Electrical data above represent stabilized values at Standard test conditions (STC)	

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MECHANICAL DATA	
Dimension (mm)	L 1414 × W 1114 × T 37.5
Weight (Kg)	21
Connector	MC or MC equivalent
Cable length (mm)	1000
Cable size (mm)	2.5
TEMPERATURE COEFFICIENTS	
Maximum power (W)	- 0.20% / °C
Maximum power voltage (V)	- 0.32% / °C
Maximum power current (A)	+0.14% / °C
Open circuit voltage (V)	0.33% / °C
Short circuit current (A)	+0.09% / °C
INSTALLATION LIMITATIONS	
Maximum system voltage (V)	750
Operating module temperature	-40°C to +85°C
Maximum load	2,400N/m_ or 245 Kg/m_
CERTIFICATION	
IEC61646	Certified
IEC61730	Certified
WARRANTY	
	3 years
	Terrestrial: 25 years / 80% yield Power output Marine: 10 years / 90% yield

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*Data at STC (Standard Test Conditions)

STC: irradiance level 1000W /m², spectrum AM 1.5 and cell temperature 25 degrees C

