

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:

- 30% lighter than a double glass thin film solar module.
- Made from nontoxic materials.
- Improved thin film technology delivers higher energy yield per rated  $W_p$ , 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 IEC 61646 & IEC 61730 standards.

## APPLICATIONS

- Water pumping ●
- Rural Electrification ●
- Telecommunication ●
- Billboard illumination ●
- Grid Connection Systems ●

## CONTACT US

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# SETSOLAR TF100

## TYPICAL PERFORMANCE CHARACTERISTICS

Typical power (Wp)	100	90
Tolerance (%)	+/- 5%	
Voltage at max.power (V)	77	73
Current at max.power (A)	1.29	1.24
Open circuit voltage (Voc)	99	98
Short circuit current (Isc)	1.65	1.59

Standard test conditions: 1000W/m<sup>2</sup>, AM1.5G and 25 degree C  
Electrical data above represent stabilized values at Standard test conditions (STC)

## MECHANICAL DATA

Dimension (mm)	L 1414 × W 1114 × T 37.5 or 35
Weight (Kg)	21
Connector	MC or MC equivalent
Cable length (mm)	1000
Cable size (mm <sup>2</sup> )	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

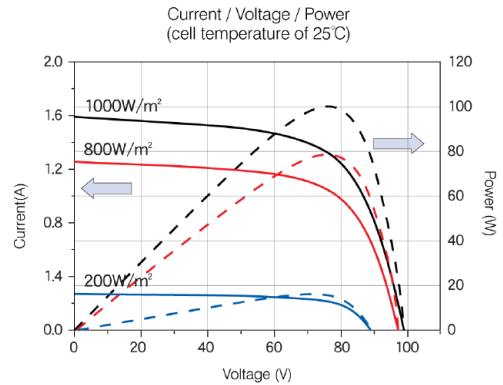
Maximum system voltage (V)	750
Operating module temperature	-40°C to +85°C
Maximum load	2,400N/m <sup>2</sup> or 245 Kg/m <sup>2</sup>

## CERTIFICATION

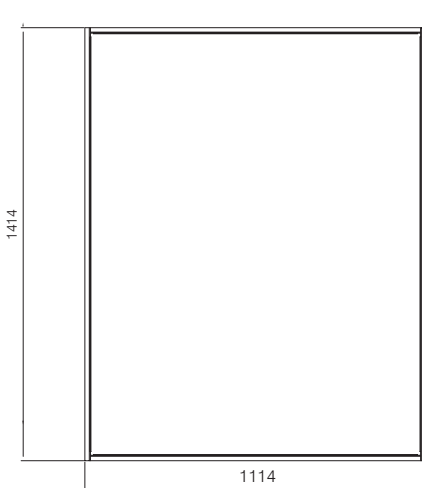
IEC61646	Certified
IEC61730	Certified
UL	Certified

## WARRANTY

Product	5 years
Power output	<b>Terrestrial:</b> 25 years / 80% yield <b>Marine:</b> 10 years / 90% yield



Front View



Back View

