



W-TF100

HIGH PERFORMANCE THIN FILM SOLAR MODULE

Green World offers top quality thin film solar panels, manufactured in a world class production plant (OEM) using guaranteed and certified materials.

Green World TF solar module range guarantees a high performance at a low cost with a comprehensive 25 year power warranty.

Green World 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 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 IEC 61646 & IEC 61730 standards.

APPLICATIONS

- Water pumping •
- Rural Electrification •
- Telecommunication •
- Billboard illumination •
- Grid connected systems •

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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	95
Short circuit current (Isc)	1.65	1.59

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

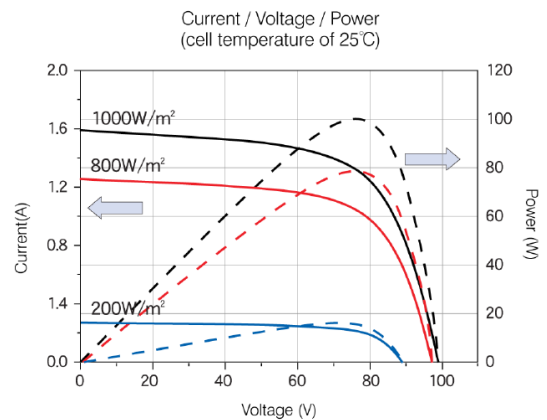
CERTIFICATION	
IEC61646	Certified
IEC61730	Certified
UL	Certified

WARRANTY	
Product	5 years
Power output	Terrestrial: 25 years / 80% yield Marine: 10 years / 90% yield

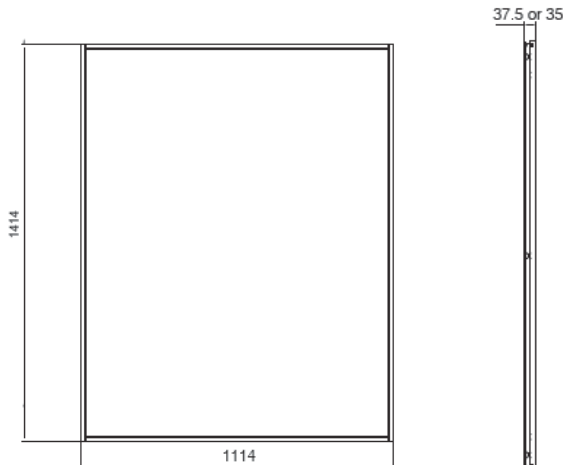
MECHANICAL DATA	
Dimension (mm)	L 1414 x W 1114 x T 37.5 or 35
Weight (Kg)	21
Connector	MC or MC equivalent
Cable length (mm)	1000
Cable size (mm ²)	2.5

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 ² or 245 Kg/m ²



Front View



Back View

