



W-FX1440

FLEXIBLE PHOTOVOLTAIC SOLAR MODULE

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

Green World FX solar module range is extremely durable and is easily integrated to provide power for a number of applications.

The FX1440 thin film solar module has the following features:

- . Portable
- . Modules designed and manufactured according to IEC 61646 & IEC 61730 standards
- . Adhesive backing
- . Improved thin film technology delivers higher energy yield per rated Wp, owing to a low temperature coefficient and excellent performance under low light conditions.
- . Ultra light weight
- . Flexible construction
- . Integrated bypass diodes
- . Damp proof and highly durable
- . Laminated on polymer. No glass

APPLICATIONS

Boating •

Camping •

Rural Electrification •

Telecommunication •

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W-FX1440

TYPICAL PERFORMANCE CHARACTERISTICS	
Model	FX1440
Typical power (Wp)	144
Tolerance (%)	5.00%
Voltage at max.power (V)	33
Current at max.power (A)	4.36
Open circuit voltage (Voc)	46.2
Short circuit current (Isc)	5.3

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

MECHANICAL DATA	
Dimension (mm)	L 5486 x W 394 x T 4
Weight (Kg)	7.7
Cable length (mm)	560
Cable size (mm)	4

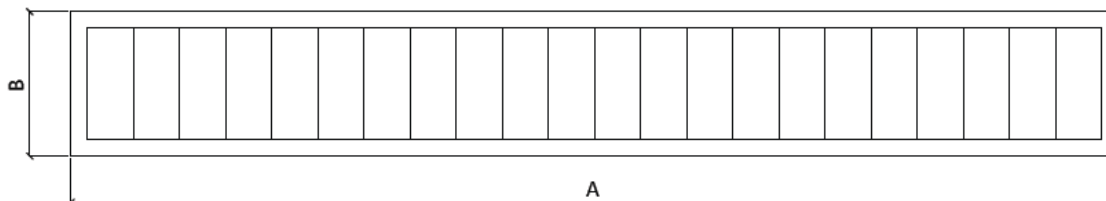
TEMPERATURE COEFFICIENTS	
Maximum power (W)	- 0.21%/°C
Maximum power voltage (V)	- 0.31%/°C
Maximum power current (A)	+ 0.10%/°C
Open circuit voltage (V)	- 0.38%/°C
Short circuit current (A)	+ 0.10%/°C

INSTALLATION LIMITATIONS	
Maximum system voltage (V)	600
Operating module temperature	-40°C to +85°C
Max slope (degree)	60
Min slope (degree)	5
Max roof temp (degree)	85°C

WARRANTY	
Product	1 years
Power output	10 years / 90% yield

DIMENSIONS	
A	5486
B	394

Dimensions in mm
(tolerance +-2mm)



CERTIFICATION	
UL	Certified
IEC61646	Certified
IEC61730	Certified

