

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

SETSOLAR's 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:

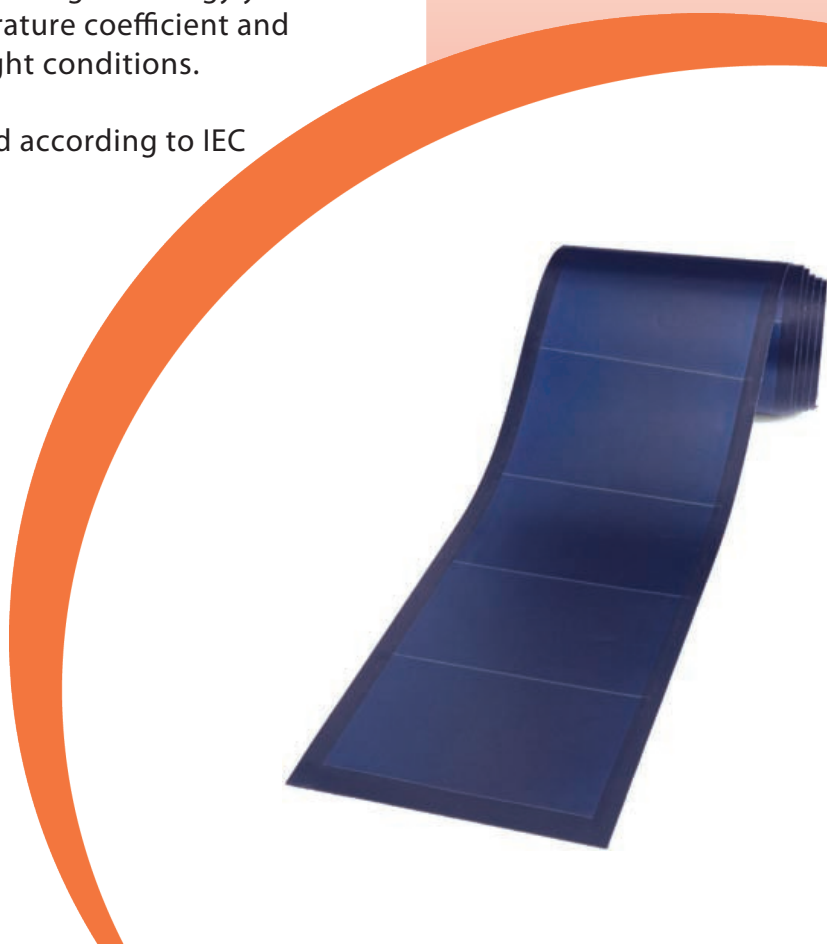
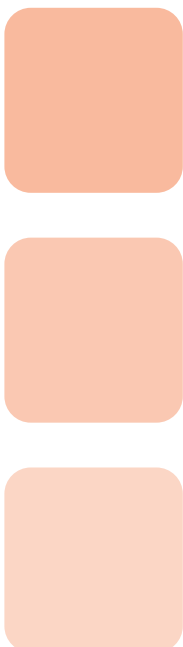
- Portable
- Adhesive backing
- Ultra light weight
- Flexible construction
- Integrated bypass diodes
- Damp proof and highly durable
- Laminated on polymer. No glass
- Improved thin film technology delivers higher energy yield per rated Wp, owing to a low temperature coefficient and excellent performance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

APPLICATIONS

- Boating ●
- Camping ●
- Rural Electrification ●
- Telecommunication ●

CONTACT US

98 Bofors Circle, Epping Ind. 2
Cape Town, South Africa, 7460
Tel: 021 535 1978 or 021 535 1741
Fax: 021 535 1651 or 021 535 2084
Int: +27 21 535 1978
info@setsolar.co.za
www.setsolar.co.za



SETSOLAR FX1440

TYPICAL PERFORMANCE CHARACTERISTICS

Model	FX1440
Typical power (Wp)	144
Tolerance (%)	5%
Voltage at max.power (V)	33.0
Current at max.power (A)	4.36
Open circuit voltage (Voc)	46.2
Short circuit current (Isc)	5.30

Standard test conditions: 1000W/m², AM1.5G and 25 degree C
Electrical data above represent stabilized values at Standard test conditions (STC)

MECHANICAL DATA

Dimension (mm)	L 5486 × W 394 × T 4
Weight (Kg)	7.7
Cable length (mm)	560
Cable size (mm ²)	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

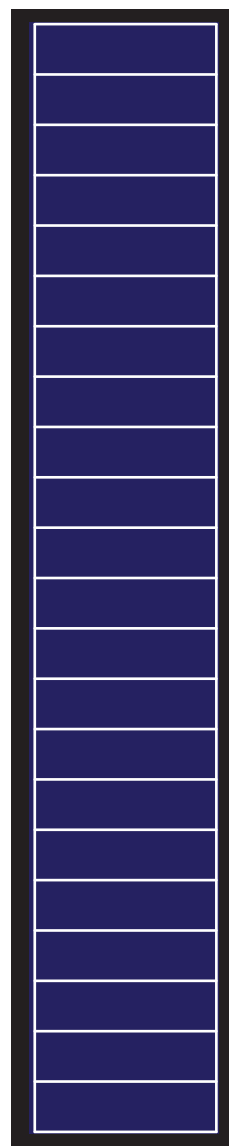
Maximum system voltage (V)	660
Operating module temperature	-40°C to +85°C
Max slope (degree)	60
Min slope (degree)	5
Max roof temp (degree)	85°C

WARRANTY

Product	1 year
Power output	10 years / 90% yield

CERTIFICATION

UL	Certified
IEC61646	Certified
IEC61730	Certified



DIMENSIONS

A	5486
B	394

Dimensions in mm
(tolerance +-2mm)

