

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 FX50 thin film solar module has the following features:

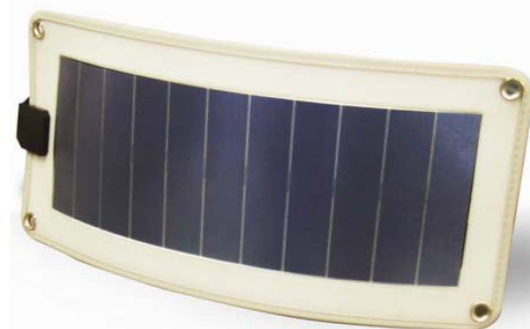
- Portable
- Ultra light weight
- Flexible construction
- Damp proof and highly durable
- Laminated on polymer. No glass
- Improved thin film technology delivers higher energy yield per rated Wp, owing to a low temperature coefficient and excellent performance under low light conditions.
- Modules designed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

APPLICATIONS

- Boating ●
- Camping ●
- Rural Electrification ●

CONTACT US

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SETSOLAR FX50

TYPICAL PERFORMANCE CHARACTERISTICS

Model	FX50
Typical power (Wp)	5
Tolerance (%)	5%
Voltage at max.power (V)	16.5
Current at max.power (A)	0.33
Open circuit voltage (Voc)	23.8
Short circuit current (Isc)	0.4

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 542 × W 248 × T 15
Weight (Kg)	0.60
Cable length (mm)	500
Cable size (mm ²)	2.5

TEMPERATURE COEFFICIENTS

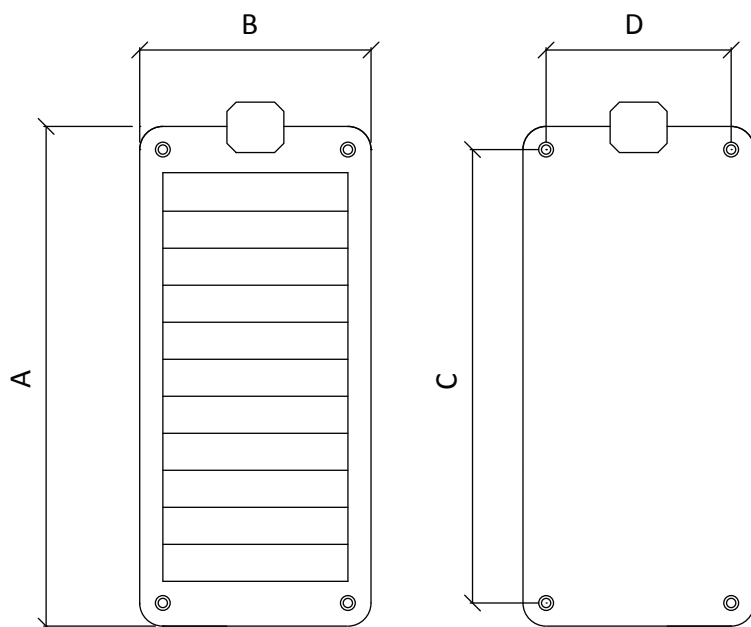
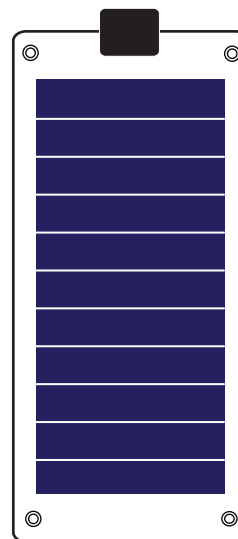
Maximum power (W)	- 0.21%/°C
Maximum power voltage (V)	- 0.31%/°C
Maximum power current (A)	+ 0.10%/°C
Open circuit voltage (V)	- 0.38%/°C
Short circuit current (A)	+ 0.10%/°C

INSTALLATION LIMITATIONS

Maximum system voltage (V)	165
Operating module temperature	-40°C to +85°C

WARRANTY

Product	90 Days
Power output	5 years / 90% yield



DIMENSIONS

A	542
B	248
C	500
D	210

Dimensions in mm
(tolerance +-2mm)