



W-FX680

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 FX680 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-FX680

| TYPICAL PERFORMANCE CHARACTERISTICS | |
|-------------------------------------|-------|
| Model | FX680 |
| Typical power (Wp) | 68 |
| Tolerance (%) | 5.00% |
| Voltage at max.power (V) | 16.5 |
| Current at max.power (A) | 4.1 |
| Open circuit voltage (Voc) | 23.1 |
| Short circuit current (Isc) | 5.1 |

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 2849 x W 394 x T 4 |
| Weight (Kg) | 3.9 |
| Cable length (mm) | 560 |
| Cable size (mm) | 4 |

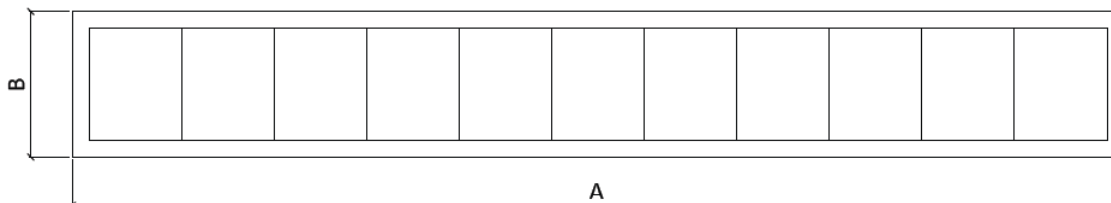
| TEMPERATURE COEFFICIENTS | |
|---------------------------|------------|
| Maximum power (W) | - 0.21%/°C |
| Maximum power voltage (V) | - 0.31%/°C |
| Maximum power current (A) | + 0.10%/°C |
| Open circuit voltage (V) | - 0.38%/°C |
| Short circuit current (A) | + 0.10%/°C |

| 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 | 2849 |
| B | 394 |

Dimensions in mm
 (tolerance +-2mm)



| CERTIFICATION | |
|---------------|-----------|
| UL | Certified |
| IEC61646 | Certified |
| IEC61730 | Pending |

