



SW180 Solar Module

SunWize® SW180 Solar Module

The SunWize SW180 module falls into the mid-range of price and efficiency and is aimed at residential and commercial grid-tie applications. It is made of high efficiency mono-crystalline silicon solar cells. Every cell is tested and electronically matched to maximize output. The modules are manufactured according to the strict requirements of international and U.S. quality standards. 25-year limited warranty.

Features include:

- Cells are laminated between sheets of ethyl vinyl acetate (EVA) for moisture free protection, UV stability and electrical isolation
- Tempered, high-transmittance glass is used for strength and high power output
- The module is framed with a strong, corrosion resistant, clear anodized aluminum with multiple mounting holes for ease of installation
- Modules are equipped with multi-string by-pass diodes so that the modules will function even if partially shaded
- Highly resistant to hail, moisture, wind speed and other environmental factors
- Junction box is equipped with + and - MC3 mm (36" male/female) cables
- Wide operating range: from -45°C to 95°C with 100% relative humidity
- US listed to UL 1703, cUL and IEC international standards

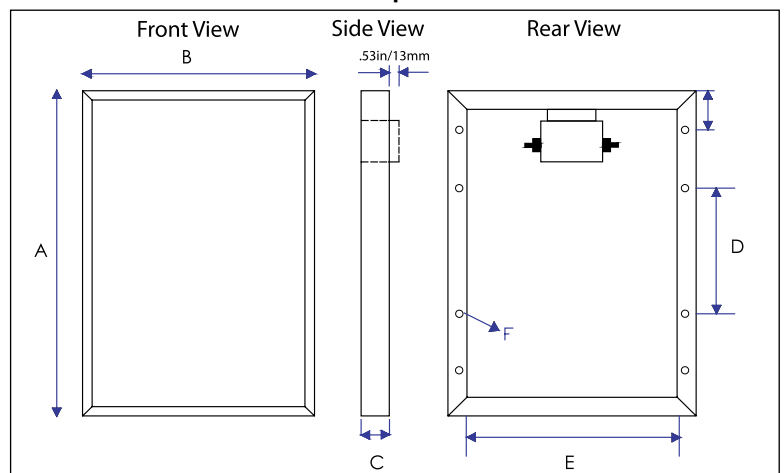
Part #	Model	Watts	Vmp	Imp	Voc	Isc
130130SW170	SW170	170	36.25	4.69	43.9	5.15
130130SW175	SW175	175	36.50	4.80	43.9	5.20
130130SW180	SW180	180	36.60	4.92	44.0	5.30

Standard Test Conditions: 1000 W/m², 25°C, AM 1.5.

SW180

Dimension	inch	mm
A	62.20	1580
B	31.81	808
C	1.65	42
D	31.49	800
E	30.15	766
F	.27	70
I	1.25	32
Weight (approx)	37.5 lbs.	17 kg.

Mechanical Specifications



Electrical/Thermal Parameters

Cell Type	Monocrystalline Silicon
Circuit Interconnection	72 – 125 x 125 mm cells, connected in series
Max. System Voltage	600Vdc
Series Fuse Rating	12 Amps
NOCT	49°C
Voltage Temperature coefficient (Voc)	-0.34%/°C
Current Temperature coefficient (Isc)	0.09%/°C
Power Temperature coefficient (Pmax)	-0.37%/°C

Electrical Performance

