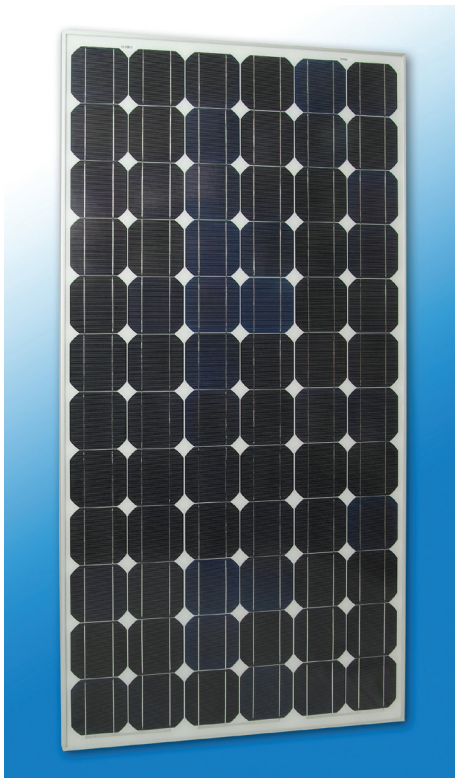


SunWize® SW180 Solar Module

High performance for commercial and residential applications



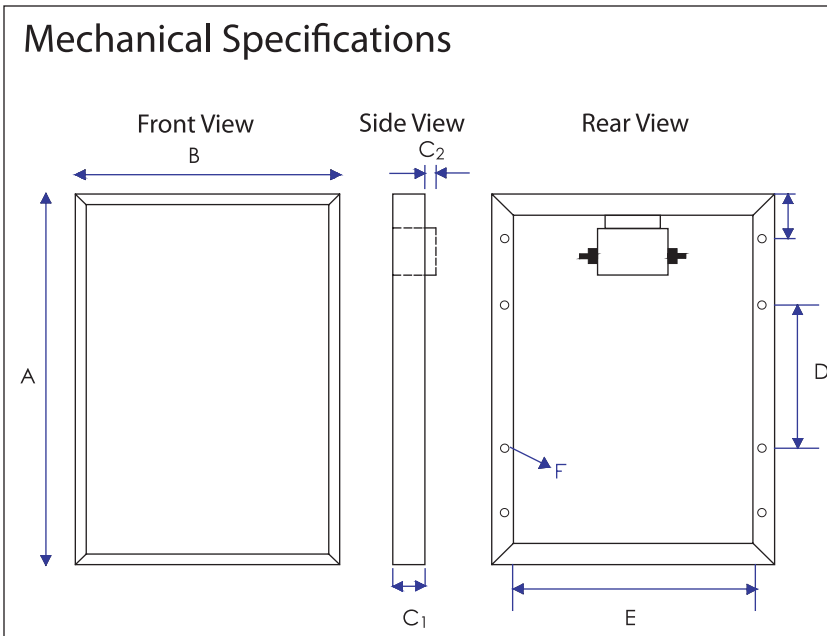
The SunWize SW180 module falls into the mid-range of price and efficiency and is aimed at residential and commercial grid-tie applications. The SW180 has a module efficiency of 14.1% and is made of high efficiency mono-crystalline silicon solar cells. Every cell is tested and electronically matched to maximize output. The modules are manufactured according to the strict requirements of international and US 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 – MC 3mm (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

Model	Rated Power (Watts)	Rated Voltage (Vmp)	Rated Current (Imp)	Open Circuit Voltage (Voc)	Short Circuit Current (Isc)
SW170	170	36.25V	4.69A	43.9V	5.15A
SW175	175	36.50V	4.80A	43.9V	5.20A
SW180	180	36.60V	4.92A	44.0V	5.30A

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

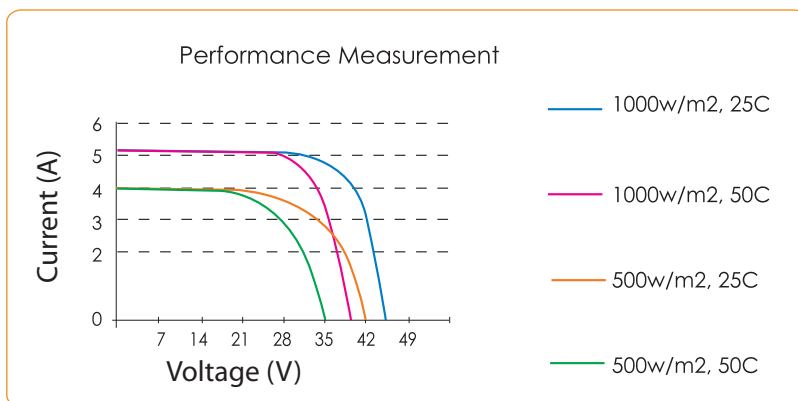


SunWize SW180		
Dimension	inches	mm
A	62.20	1580
B	31.81	808
C1	1.65	42
C2	0.53	13
D	31.49	800
E	30.15	766
F	.27Ø	7Ø
G	1.25	32
Weight (approx.)	37.5 lbs.	17 kg.

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
Peak Power Tolerance	+3/-3%

Electrical Performance



Warranty

The SunWize SW180 module carries a 25-year limited warranty on power output.

Certifications

All SW modules are UL-1703 and cUL listed and ISPR certified to international standards.