

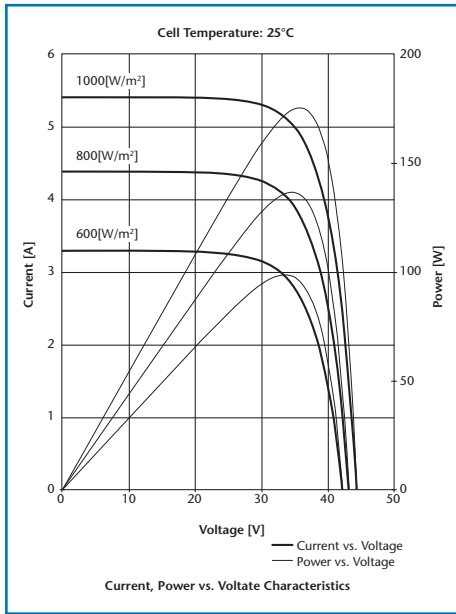
High-Efficiency 175 Watt Mid-Sized Module

The SAPC-175, SCHOTT Solar's 175 watt photovoltaic module features 16.4% encapsulated cell efficiency and 13.45% module efficiency. With a 25 year warranty, the SAPC-175 has superb durability to withstand rigorous operating conditions. Ideal for grid-connected and remote power systems, the SAPC-175 modules offer the maximum usable power per square foot of solar array.

- High-power module using 125mm single crystal silicon solar cells with 13.45% module conversion efficiency
- Bypass diode minimizes the power drop caused by shade
- Textured cell surface to reduce sunlight reflection
- Tempered glass, EVA resin, and weatherproof film, and anodized aluminum frame for extended outdoor use
- Nominal 24VDC output, perfect for grid-connected systems
- UL Listings: UL 1703, cUL
- 25-year limited warranty on power output



SAPC-175 Solar Module Pictured



SAPC-175 IV Curves

Electrical Data

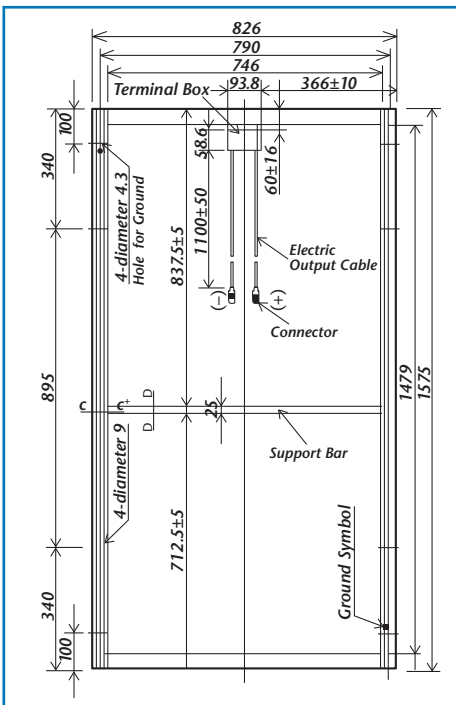
The electrical data applies to standard test conditions (STC): Irradiance at the module level of 1,000 W/m² with spectrum AM 1.5 and a cell temperature of 25° C

Power (max.)	P _p (watts)	175W
Voltage at maximum-power point	V _p (volts)	35.4V
Current at maximum-power point	I _p (amps)	4.95A
Open-circuit voltage	V _{oc} (volts)	44.4V
Short-circuit current	I _{sc} (amps)	5.40A

The rated power may only vary by -5/+10%. Other electrical characteristics may only vary by +/- 10%.

Dimensions and Weights

	175W Module
Length mm (in)	1575 (62.01")
Width mm (in)	826 (32.52")
Depth mm (in)	46 (1.81")
Weight kg (lbs)	16 kg (35.3 lbs)
Area m ² (ft ²)	1.299 (13.99)



SAPC-175 Physical Specifications

Characteristic Data

	175W Module
Solar cells per module	72
Type of solar cell	Single-crystal silicon solar cells, 125 mm square
Connections	Multi-Contact Connector
Fuse	10 Amp

Limits

Maximum system voltage	600V DC
Operating module temperature	-40° to +90° C
Dielectric voltage withstood	2200V max.

The right is reserved to make technical modification.
For detailed product drawings and specifications please contact SCHOTT Solar or an authorized reseller.



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