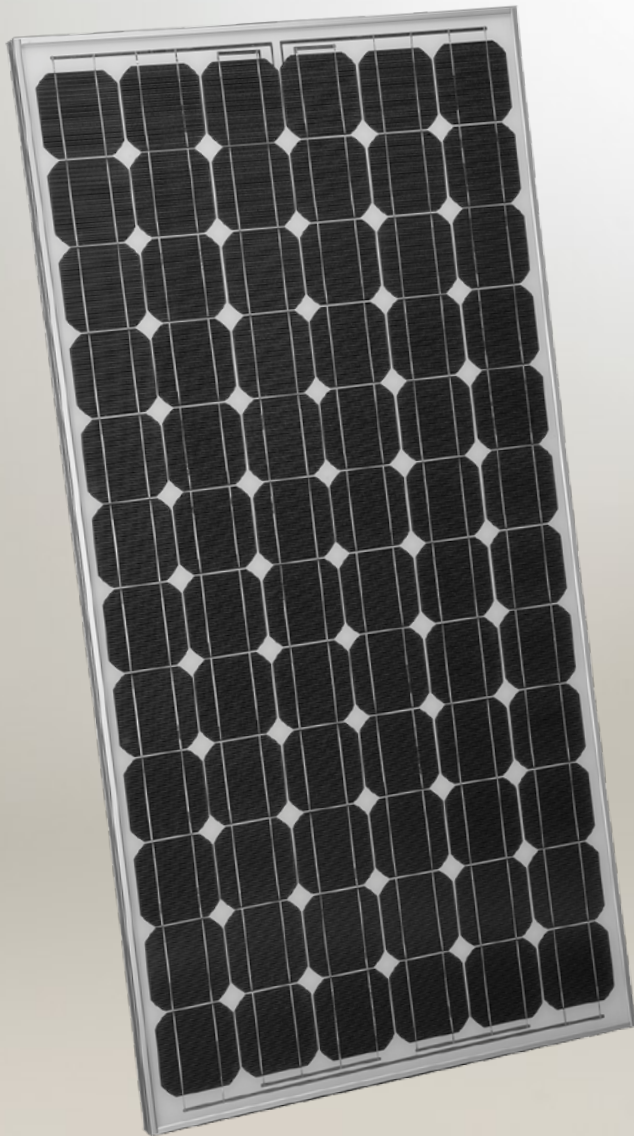


Sunmodule[®]

SolarWorld Module SW 165/175 mono/P



The Sunmodule[®] SW 165/175 mono/P by SolarWorld is a superior quality, high performance solar module designed for use in a wide variety of applications.

The preferred module has an industry leading power tolerance of +/-3%, backed by a 25-year power warranty.

The high performance monocrystalline 5-inch cells used in the Sunmodule are sealed in transparent EVA (ethylene-vinyl-acetate) between impact resistant tempered glass and a durable TPT (tedlar-polyester-tedlar) backsheet. The innovative module design incorporates new audible locking, IP67 (NEMA 6) protection rated, quick connectors for fast, reliable installation wiring.

The Sunmodule is certified to the stringent safety and design requirements of UL 1703 and IEC 61215. All U.S. Sunmodules are produced in the ISO 9001:2000 certified Camarillo, California facility.

SolarWorld offers end of life module recycling for all Sunmodules, further demonstrating our long-term commitment to protecting our environment.

	Module
Length:	63.9 inch
Width:	32.0 inch
Height:	1.6 inch
Frame:	Aluminium
Weight:	40 Lbs.

Edition: October 2006



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SolarWorld Module SW 165/175 mono/P

Performance under standard test conditions (STC)

Peak power (Pmax)	165 Wp	175 Wp
Maximum power point voltage (Vmpp)	34.4 V	35.7 V
Maximum power point current (Impp)	4.8 A	4.9 A
Open circuit voltage (Voc)	43.3 V	44.4 V
Short circuit current (Isc)	5.3 A	5.3 A

Performance at 800 W/m², NOCT, AM 1.5

Peak power (Pmax)	125 Wp	131 Wp
Maximum power point voltage (Vmpp)	31.9 V	33.1 V
Maximum power point current (Impp)	3.9 A	4.0 A
Open circuit voltage (Voc)	40.1 V	41.2 V
Short circuit current (Isc)	4.3 A	4.3 A

Minor reduction in efficiency under partial load conditions at 25°C:
at 200 W/m², 92 % (+/- 3 %) of the STC efficiency (1000 W/m²) is achieved.

Component materials

Cells per module	72
Solar cells	monocrystalline silicon
Cell dimensions	125 x 125 mm (5 x 5 in)

Thermal characteristics

NOCT	45.5°C
Pmpp temp coefficient	-0.43 %/ °C
Voc temp coefficient	-145 mV/ °C
Vmpp temp coefficient	-127 mV/ °C
Isc temp coefficient	1.4 mA/ °C

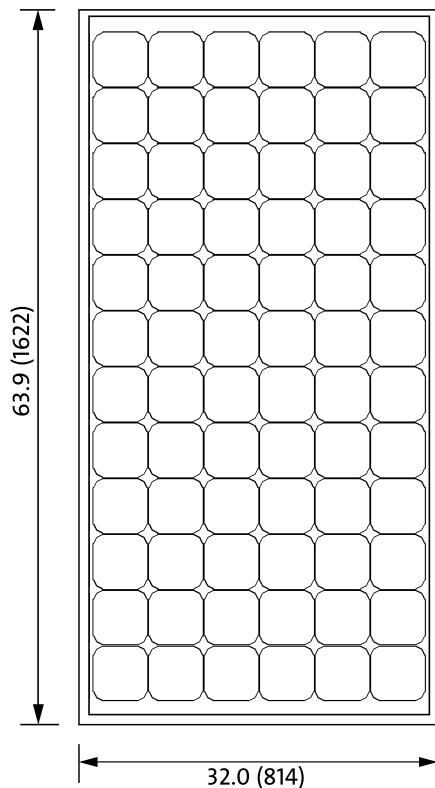
System design characteristics

Maximum system voltage	600V (UL)
Series fuse rating	15 A

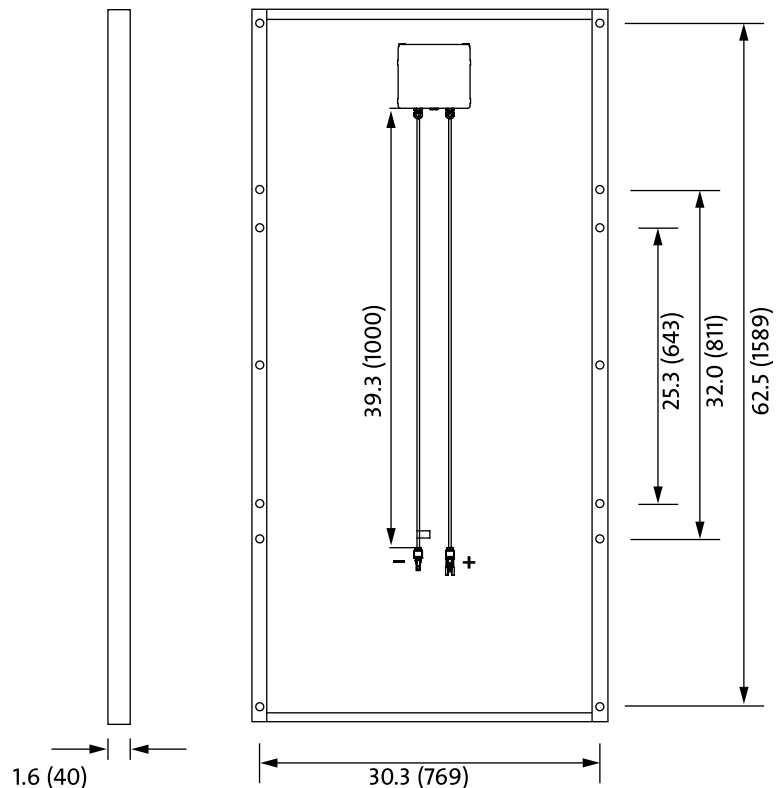
Rated power and maximum tolerance

STC Rated power	165/175 Wp +/- 3 %
PTC Rated power	149.1 W _{PTC} / 158.3 W _{PTC}
Quick Connector protection rating (closed)	NEMA 6 / IP 67
Connector type	Tyco SOLARLOK

front view



rear view



*inches (mm)

Modules certified according to:



SolarWorld AG reserves the right to make specification changes without prior notice.
For detailed information on this product please consider the installation manual.