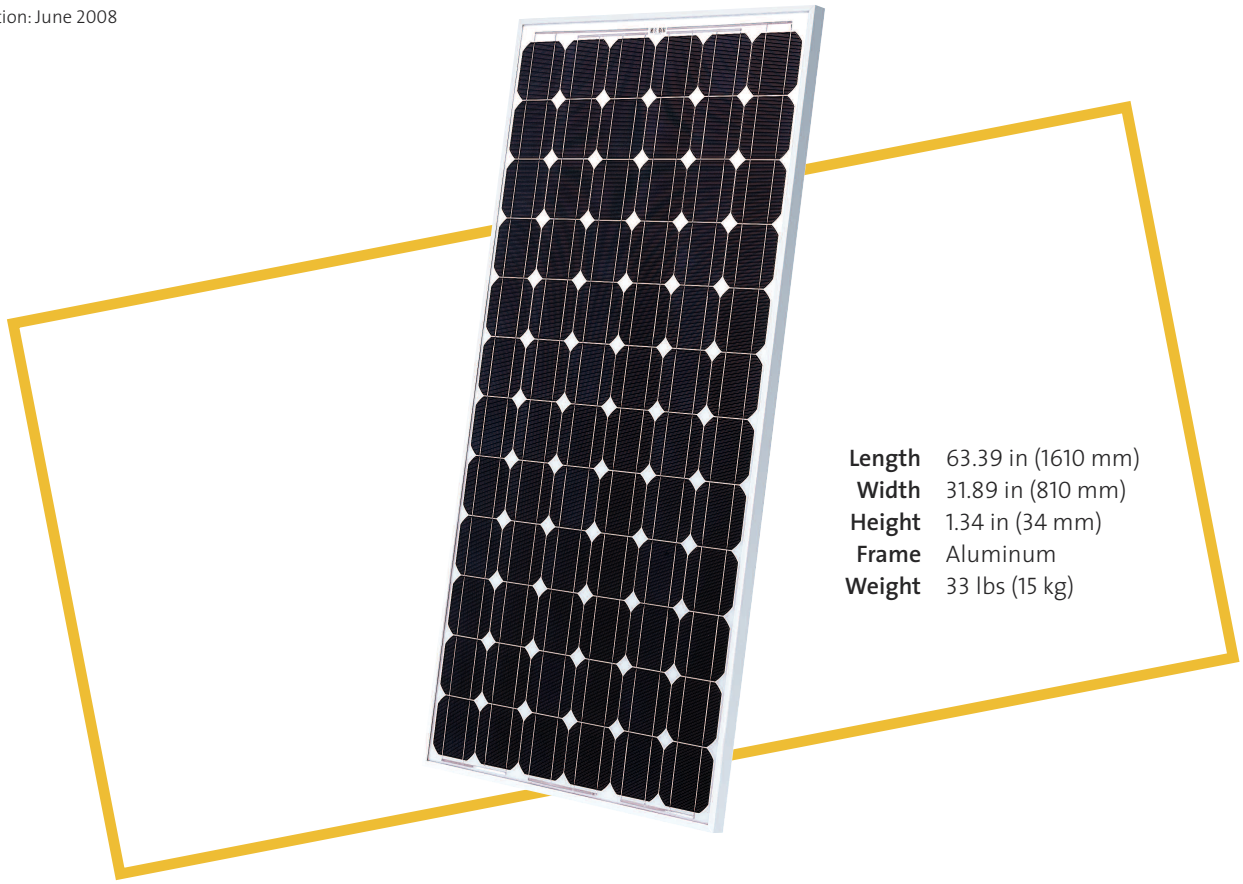
Edition: June 2008



Length	63.39 in (1610 mm)
Width	31.89 in (810 mm)
Height	1.34 in (34 mm)
Frame	Aluminum
Weight	33 lbs (15 kg)

Sunmodule
SW 155/165/175 mono

The Sunmodule leads the PV industry in quality, output and reliability. The fully automated production process at SolarWorld's factories ensures consistently high quality and enables tight power tolerances.

The glass is set deep into the module frame and secured with silicone adhesive, which provides exceptional rigidity for the entire module and prevents frame loosening from handling or sliding snow and ice. Tests carried out in accordance with IEC 61215, which applied loads up to 5.4 kN/m², confirm the Sunmodule's ability to withstand heavy accumulations of snow and ice.

The Sunmodule's patented low-profile junction box provides exceptional protection against corrosion and features integral heat sinks that help maintain a lower temperature if and when any of the 25 amp Schottky bypass diodes are conducting. The junction box is connected by a solid welded bond to maximize reliability and performance life. In addition, the integrated high-quality robust cables are factory equipped with NEC 2008 code-compliant locking connectors. Each Sunmodule is covered by a 25-year performance warranty and is recyclable.

SOLARWORLD
THE SUNPOWERED COMPANY®

Sunmodule
SW 155/165/175 mono

Performance under standard test conditions

		SW 155	SW 165	SW 175
Maximum power	P_{max}	155 Wp	165 Wp	175 Wp
Open circuit voltage	V_{oc}	43.6 V	44.0 V	44.4 V
Maximum power point voltage	V_{mpp}	34.8 V	35.3 V	35.8 V
Short circuit current	I_{sc}	4.90 A	5.10 A	5.30 A
Maximum power point current	I_{mpp}	4.46 A	4.68 A	4.89 A

Performance at 800 W/m², NOCT, AM 1.5

		SW 155	SW 165	SW 175
Maximum power	P_{max}	110.8 Wp	118.0 Wp	125.1 Wp
Open circuit voltage	V_{oc}	39.4 V	39.8 V	40.2 V
Maximum power point voltage	V_{mpp}	31.2 V	31.6 V	32.1 V
Short circuit current	I_{sc}	4.05 A	4.22 A	4.38 A
Maximum power point current	I_{mpp}	3.55 A	3.73 A	3.90 A

Minor reduction in efficiency under partial load conditions at 25°C: at 200 W/m², 95% (+/- 3%) of the STC efficiency (1000 W/m²) is achieved.

Component materials

Cells per module	72
Cell type	monocrystalline silicon
Cell dimensions	125 x 125 mm²

System integration parameters

Maximum system voltage SC II	1,000 V_{DC}
Maximum system voltage USA NEC	600 V_{DC}
Maximum series fuse rating	15 A

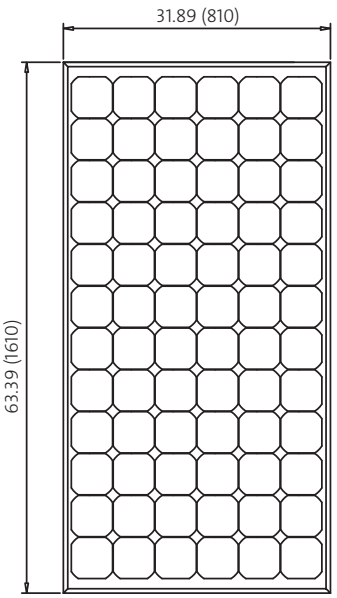
Thermal characteristics

NOCT	46°C
TC I_{sc}	0.036 %/K
TC V_{oc}	-0.33 %/K
TC P_{max}	-0.47 %/K

Additional data

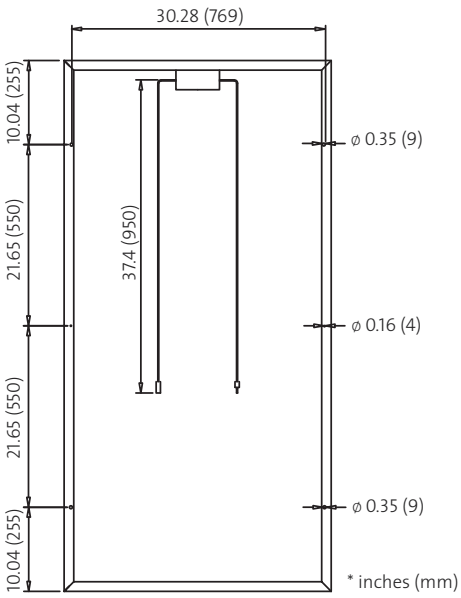
Power tolerance	+/- 3 %
Junction box	IP 65
Connector	MC type 4

Front



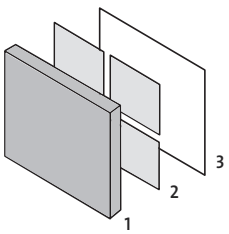
Side

Rear



* inches (mm)

Construction



1] Front: tempered glass
2] crystalline solar cells embedded in EVA (ethylene-vinyl-acetate)
3] Rear: Tedlar

IEC 61215
Safety class II
UL 1703 3rd Ed.

c UL us LISTED 10SE Photovoltaic Module / Panel

CE

SolarWorld AG reserves the right to make specification changes without notice.
Sunmodules are manufactured in ISO 9001:2000 certified facilities.
This data sheet complies with the requirements of EN 50380.