



NEW! 25 YEAR LINEAR
PERFORMANCE WARRANTY AND
A PRODUCT WORKMANSHIP
WARRANTY OF 5 YEARS*

Length 65.94 in (1675 mm)
Width 39.41 in (1001 mm)
Height 1.22 in (31 mm)¹⁾
Frame Aluminum
Weight 46.7 lbs (21.2 kg)



Sunmodule⁺

SW 220/225/230/235/240 poly

German quality standards

Fully-automated production lines and seamless monitoring of the process and material ensure the quality that the company sets as its benchmark for its sites worldwide.

Outstanding products

SolarWorld modules have received top marks in numerous independent performance tests:

In Photon test laboratory's endurance test, SolarWorld's modules occupied first place in 2008 and in 2009 and were assessed by the ÖKO-TEST consumer magazine as "very good".

SolarWorld Plus sorting

Plus-sorting guarantees the highest system efficiency. Only modules that achieve the designated nominal performance or greater in performance tests are dispatched.

25 years linear performance guarantee*

SolarWorld guarantees a maximum degeneration in performance of 0.7% p.a. for more than 25 years - a clear additional benefit compared with the conventional two-stage industry guarantees. In addition there is a product workmanship warranty that covers 5 years.

*in accordance with the applicable SolarWorld service certificate at purchase
www.solarworld-global.com/service-certificate



We turn sunlight into power.

Sunmodule⁺

SW 220/225/230/235/240 poly

PERFORMANCE UNDER STANDARD TEST CONDITIONS (STC)*

		SW 220	SW 225	SW 230	SW 235	SW 240
Maximum power	P_{max}	220 Wp	225 Wp	230 Wp	235 Wp	240 Wp
Open circuit voltage	U_{oc}	36.6 V	36.8 V	36.9 V	37.0 V	37.2 V
Maximum power point voltage	U_{mpp}	29.2 V	29.5 V	29.8 V	30.0 V	30.2 V
Short circuit current	I_{sc}	8.08 A	8.17 A	8.25 A	8.35 A	8.44 A
Maximum power point current	I_{mpp}	7.54 A	7.63 A	7.72 A	7.85 A	7.96 A

*STC: 1000W/m², 25°C, AM 1.5

PERFORMANCE AT 800 W/m², NOCT, AM 1.5

		SW 220	SW 225	SW 230	SW 235	SW 240
Maximum power	P_{max}	157.3 Wp	160.9 Wp	164.4 Wp	170.4 Wp	174.2 Wp
Open circuit voltage	U_{oc}	33.1 V	33.3 V	33.4 V	33.5 V	33.7 V
Maximum power point voltage	U_{mpp}	26.2 V	26.5 V	26.7 V	27.1 V	27.4 V
Short circuit current	I_{sc}	6.68 A	6.75 A	6.82 A	6.73 A	6.80 A
Maximum power point current	I_{mpp}	6.01 A	6.08 A	6.15 A	6.28 A	6.37 A

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

COMPONENT MATERIALS

Cells per module	60
Cell type	Poly crystalline
Cell dimensions	6.14 in x 6.14 in (156 mm x 156 mm)
Front	tempered glass (EN 12150)

SYSTEM INTEGRATION PARAMETERS

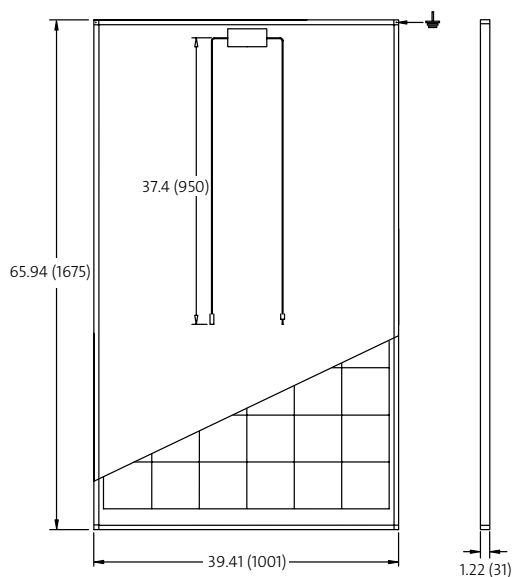
Maximum system voltage SC II	1000 V
Maximum system voltage USA NEC	600 V
Maximum reverse current	16 A
Increased snowload acc. to IEC 61215	5.4 kN/m ²
Number of bypass diodes	3

THERMAL CHARACTERISTICS

NOCT	46 °C
TC I_{sc}	0.034 %/K
TC U_{oc}	-0.34 %/K
TC P_{mpp}	-0.48 %/K

ADDITIONAL DATA

Measuring tolerance	+/- 3 %
Junction box	IP65
Connector	MC4
SolarWorld Plus-Sorting ²⁾	$P_{Flash} \geq P_{max}$



- Qualified, IEC 61215
- Safety tested, IEC 61730
- Periodic Inspection



- 1) Temporarily, also modules with a frame height of 34 mm can be supplied. Please inquire with your dealer.
- 2) The output identified by SolarWorld (P_{Flash}) is always higher than the nominal output (P_{max}) of the module.
- 3) Depending on the market.
SolarWorld AG reserves the right to make specification changes without notice.
This data sheet complies with the requirements of EN 50380.