

Sunmodule®

SW 100 POLY RGP



TUV Power controlled:
Lowest measuring tolerance in industry



25-year performance warranty
and 5-year product warranty

World-class quality

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.

Resistant to extreme weather conditions, SolarWorld modules are tested and certified resistant against sandstorms, high winds and coastal environments.

*in accordance with the applicable SolarWorld Limited Warranty at purchase.
www.solarworld.com/warranty



- Qualified, IEC 61215
- Safety tested, IEC 617
- Periodic Inspection
- Blowing sand resistant



- Periodic inspection
- Power controlled



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PERFORMANCE UNDER STANDARD TEST CONDITIONS (STC)*

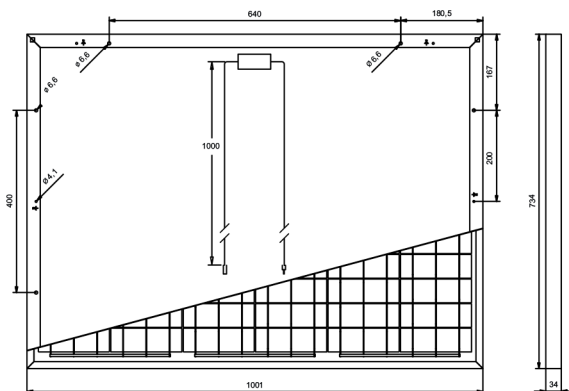
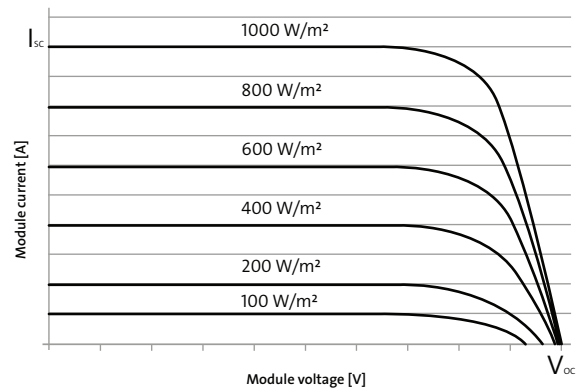
Maximum power	P_{max}	100 Wp
Open circuit voltage	V_{oc}	44.2 V
Maximum power point voltage	V_{mpp}	37.6 V
Short circuit current	I_{sc}	3.02 A
Maximum power point current	I_{mpp}	2.75 A
Module efficiency	η_m	13.61 %

*STC: 1000 W/m², 25 °C, AM 1.5

1) Measuring tolerance (P_{max}) traceable to TUV Rheinland: +/- 2% (TUV Power Controlled).

THERMAL CHARACTERISTICS

NOCT	46 °C
TC I_{sc}	0.051 % / °C
TC V_{oc}	-0.31 % / °C
TC P_{mpp}	-0.41 % / °C
Operating temperature	-40 to +85 °C



PERFORMANCE AT 800 W/m², NOCT, AM 1.5

Maximum power	P_{max}	72.7 Wp
Open circuit voltage	V_{oc}	38.9 V
Maximum power point voltage	V_{mpp}	33.1 V
Short circuit current	I_{sc}	2.46 A
Maximum power point current	I_{mpp}	2.20 A

Minor reduction in efficiency under partial load conditions at 25 °C: at 200 W/m², 100% (+/-2%) of the STC efficiency (1000 W/m²) is achieved.

COMPONENT MATERIALS

Cells per module	72
Cell type	Polycrystalline
Cell dimensions	2.04 in x 6.14 in (52 mm x 156 mm)
Front	Tempered glass (EN 12150)
Frame	Clear anodized aluminum
Weight	17.6 lbs (8.0 kg)

SYSTEM INTEGRATION PARAMETERS

Maximum system voltage SC II	1000 V
Maximum system voltage NEC	600 V
Maximum reverse current	15 A
Number of bypass diodes	2
Design Loads*	Two rail system 113 psf downward 50 psf upward

* Please refer to the Sunmodule installation instructions for the details associated with these load cases.

ADDITIONAL DATA

Power sorting	+/- 10 %
J-Box	IP65
Module type (UL 1703)	1