

NEW ! 25 YEAR LINEAR PERFORMANCE WARRANTY AND A PRODUCT WORKMANSHIP WARRANTY OF 10 YEARS*

SOLARWORLD TOP QUALITY

Length	1675 mm
Width	1001 mm
Height	31 mm
Frame	Aluminum
Weight	21,2 kg

ÖKO-TEST
LIFE WORTH LIVING
SolarWorld
Sunmodule Plus
SW 225 poly
excellent
issue 05/2010

Sunmodule®
SW 250 mono

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.

TUV "Power controlled"
With the new TUV Rheinland test "Power controlled" it is guaranteed that the performance indicated for a Sunmodule Plus® solar panel is being met and that it is regularly monitored by the independent test service provider, TUV Rheinland. This additional security for investors and consumers is a further testament of SolarWorld's commitment to comprehensive quality assurance.

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 and extension of product warranty to 10 years
SolarWorld guarantees a maximum performance degression of 0.7% p.a. in the course of 25 years, a significant added value compared to the two-phase warranties common in the industry. In addition, SolarWorld is offering a product warranty, which has been extended to 10 years.*

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

www.tuv.com
TÜVRheinland
ID: 0000022848
Power controlled

ADUR DISTRICT
PLANNING
PLAN
NO.
Application
13 JAN 2012

SOLARWORLD

We turn sunlight into power.

www.solarworld.com

Sunmodule®
SW 250 mono

PERFORMANCE UNDER STANDARD TEST CONDITIONS (STC)*

		SW 250
Maximum power	P_{max}	250 Wp
Open circuit voltage	U_{oc}	37,8 V
Maximum power point voltage	U_{mpp}	31,1 V
Short circuit current	I_{sc}	8,28 A
Maximum power point current	I_{mpp}	8,05 A

*STC: 1000W/m², 25°C, AM 1.5

PERFORMANCE AT 800 W/m², NOCT, AM 1.5

		SW 250
Maximum power	P_{max}	183,3 Wp
Open circuit voltage	U_{oc}	34,6 V
Maximum power point voltage	U_{mpp}	28,5 V
Short circuit current	I_{sc}	6,68 A
Maximum power point current	I_{mpp}	6,44 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	Mono crystalline
Cell dimensions	156 mm x 156 mm
Front	tempered glass (EN 12150)

SYSTEM INTEGRATION PARAMETERS

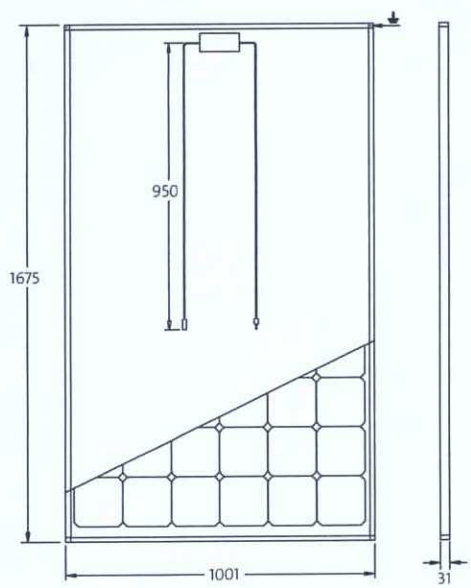
Maximum system voltage SC II	1000 V
Maximum reverse current	16 A
Increased snowload acc. to IEC 61215	5,4 kN/m²
Number of bypass diodes	3

THERMAL CHARACTERISTICS

NOCT	47 °C
TC I_{sc}	0,042 %/K
TC U_{oc}	-0,33 %/K
TC P_{mpp}	-0,45 %/K

ADDITIONAL DATA

Measuring tolerance	+/- 3 %
J-Box	IP65
Connector	MC4
SolarWorld Plus-Sorting[1]	$P_{Flash} \geq P_{max}$



www.tuv.com TÜVRheinland
- Qualified, IEC 61215
- Safety tested, IEC 61730
- Periodic Inspection
- Power Controlled

DVE CE FOKUS TEST 06/10

2) c UL US LISTED 10SE Photovoltaic Module / Panel

23 JAN 2012

1) The output identified by SolarWorld (P_{Flash}) is always higher than the nominal output (P_{max}) of the module.
2) 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.

27.06.2011 EN