Length	1675 mm
Width	682 mm
Height	31 mm
Frame	Black anodized aluminum
Weight	13 kg

Quality modules made in Germany

Power controlled

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

Sunmodule®
SW 150/155 Compact mono black

Attractive design and flexible utilization
The homogeneous black surface and black module frames create a visual elegance which fulfils even the most demanding requirements in terms of design and architecture. In addition, the compact dimensions ensure easy handling and enable flexible application in varying construction situations.

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.solarworld.com

SOLARWORLD
We turn sunlight into power.

Sunmodule®

SW 150/155 Compact mono black

PERFORMANCE UNDER STANDARD TEST CONDITIONS (STC)*

		SW 150	SW 155
Maximum power	P_{max}	150 Wp	155 Wp
Open circuit voltage	U_{oc}	24.6 V	24.7 V
Maximum power point voltage	U_{mpp}	19.8 V	20.0 V
Short circuit current	I_{sc}	8.13 A	8.27 A
Maximum power point current	I_{mpp}	7.59 A	7.77 A

*STC: 1000W/m², 25°C, AM 1.5

PERFORMANCE AT 800 W/m², NOCT, AM 1.5

		SW 150	SW 155
Maximum power	P_{max}	108.8 Wp	112.7 Wp
Open circuit voltage	U_{oc}	22.3 V	22.4 V
Maximum power point voltage	U_{mpp}	17.9 V	18.1 V
Short circuit current	I_{sc}	6.56 A	6.68 A
Maximum power point current	I_{mpp}	6.07 A	6.22 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	40
Cell type	Mono crystalline
Cell dimensions	156 mm x 156 mm
Front	tempered glass (EN 12150)

SYSTEM INTEGRATION PARAMETERS

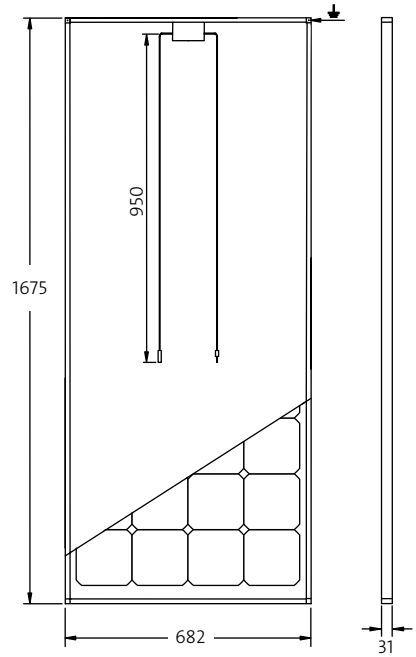
Maximum system voltage SC II	1000 V
Maximum reverse current	16 A
Increased snowload acc. to IEC 61215	5.4 kN/m²
Number of bypass diodes	2

THERMAL CHARACTERISTICS

NOCT	48 °C
TC I_{sc}	0.004 %/K
TC U_{oc}	-0.30 %/K
TC P_{mpp}	-0.45 %/K

ADDITIONAL DATA

Power sorting	-0 Wp / +5 Wp
J-Box	IP65
Connector	MC4



www.tuv.com TÜVRheinland ID: 000002848
- Qualified, IEC 61215
- Safety tested, IEC 61730
- Periodic Inspection
- Power Controlled

DVE

FOKUS TEST 06/10 Ammoniak-beständigkeit

c UL us LISTED 10SE Photovoltaic Module / Panel 1)

1) Depending on the market.
Measuring tolerance (P_{max}) traceable to TUV Rheinland: +/- 2% (TÜV Power controlled)
SolarWorld AG reserves the right to make specification changes without notice.
This data sheet complies with the requirements of EN 50380.

15.02.2012 EN