



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

Length	1610 mm
Width	810 mm
Height	34 mm
Frame	Aluminum
Weight	15 kg



# Sunmodule<sup>+</sup>

## SW 175/180 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.

### TUV "Power controlled"

With the new TUV Rheinland test "Power controlled" it is guaranteed that the performance indicated for a Sunmodule Plus<sup>®</sup> 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 depression 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](http://www.solarworld.com/warranty)



# Sunmodule<sup>+</sup>

## SW 175/180 poly

### PERFORMANCE UNDER STANDARD TEST CONDITIONS (STC)\*

		SW 175	SW 180
Maximum power	$P_{max}$	175 Wp	180 Wp
Open circuit voltage	$U_{oc}$	44,2 V	44,4 V
Maximum power point voltage	$U_{mpp}$	36,0 V	36,3 V
Short circuit current	$I_{sc}$	5,30 A	5,40 A
Maximum power point current	$I_{mpp}$	4,87 A	4,97 A

\*STC: 1000W/m<sup>2</sup>, 25°C, AM 1.5

### PERFORMANCE AT 800 W/m<sup>2</sup>, NOCT, AM 1.5

		SW 175	SW 180
Maximum power	$P_{max}$	124,6 Wp	128,2 Wp
Open circuit voltage	$U_{oc}$	39,3 V	39,4 V
Maximum power point voltage	$U_{mpp}$	32,0 V	32,2 V
Short circuit current	$I_{sc}$	4,27 A	4,35 A
Maximum power point current	$I_{mpp}$	3,90 A	3,98 A

Minor reduction in efficiency under partial load conditions at 25°C: at 200W/m<sup>2</sup>, 95% (+/-3%) of the STC efficiency (1000 W/m<sup>2</sup>) is achieved.

### COMPONENT MATERIALS

Cells per module	72
Cell type	Poly crystalline
Cell dimensions	125 mm x 125 mm
Front	tempered glass (EN 12150)

### SYSTEM INTEGRATION PARAMETERS

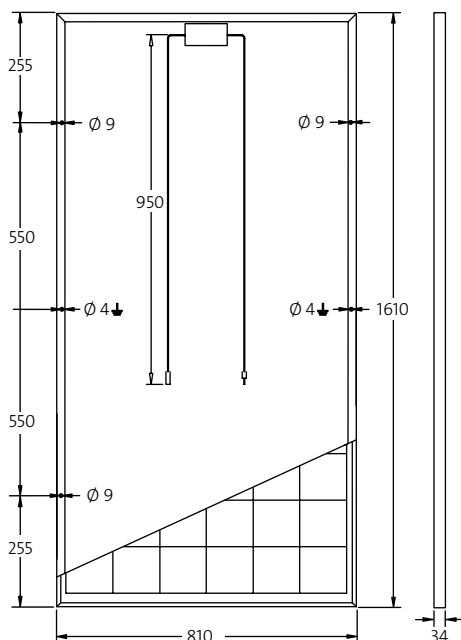
Maximum system voltage SC II	1000 V
Maximum reverse current	16 A
Increased snowload acc. to IEC 61215	5,4 kN/m <sup>2</sup>
Number of bypass diodes	3

### THERMAL CHARACTERISTICS

NOCT	47 °C
TC $I_{sc}$	0,034 %/K
TC $U_{oc}$	-0,34 %/K
TC $P_{mpp}$	-0,48 %/K

### ADDITIONAL DATA

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



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



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