

Sunmodule® SW 305-315 XL mono



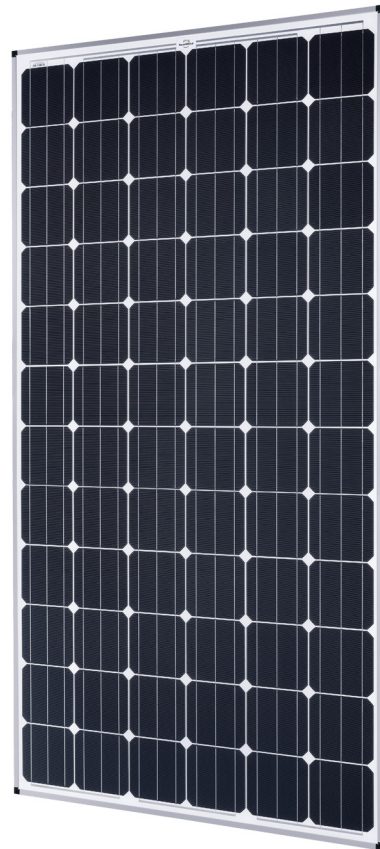
Produced in Germany,
the center for solar technology



Sunmodule Plus:
Positive performance tolerance



25 year linear performance warranty and
10 year product warranty



SolarWorld AG relies on Germany as its technology location, thereby ensuring sustainable product quality.

The positive power tolerance guarantees utmost system efficiency. Only modules achieving or exceeding the designated nominal power in performance tests are dispatched. The power tolerance ranges between -0 Wp and +5 Wp.

With its linear performance warranty covering a period of 25 years, SolarWorld guarantees a maximum performance degression of 0.7% p.a., a significant added value compared to the two-phase warranties common in the industry. Therefore, the service certificate offers comprehensive protection for your investment in the long term.



We turn sunlight into power.

Sunmodule® SW 305-315 XL mono

PERFORMANCE UNDER STANDARD TEST CONDITIONS (STC)*

		SW 305	SW 310	SW 315
Maximum power	P_{max}	305 Wp	310 Wp	315 Wp
Open circuit voltage	U_{oc}	45.6 V	45.8 V	45.9 V
Maximum power point voltage	U_{mpp}	36.3 V	36.6 V	36.8 V
Short circuit current	I_{sc}	9.02 A	9.09 A	9.16 A
Maximum power point current	I_{mpp}	8.49 A	8.56 A	8.63 A

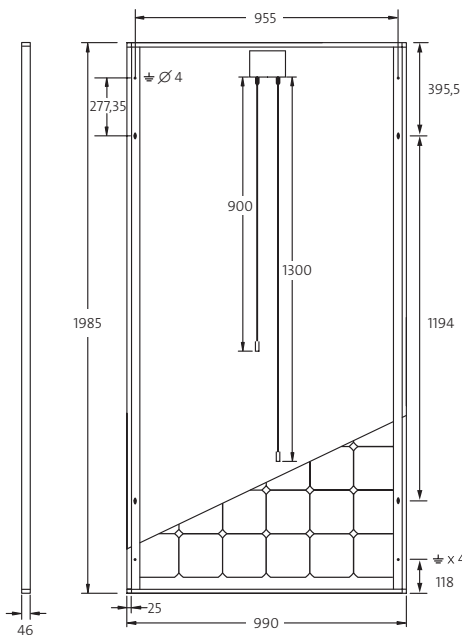
Measuring tolerance (P_{max}) traceable to TUV Rheinland: +/- 2% (TUV Power controlled)

*STC: 1000W/m², 25°C, AM 1.5

PERFORMANCE AT 800 W/m², NOCT, AM 1.5

		SW 305	SW 310	SW 315
Maximum power	P_{max}	230.4 Wp	234.0 Wp	237.0 Wp
Open circuit voltage	U_{oc}	42.2 V	42.3 V	42.4 V
Maximum power point voltage	U_{mpp}	33.6 V	33.8 V	34.0 V
Short circuit current	I_{sc}	7.35 A	7.41 A	7.46 A
Maximum power point current	I_{mpp}	6.86 A	6.92 A	6.97 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.



DIMENSIONS

Length	1985 mm
Width	990 mm
Height	46 mm
Frame	Clear anodized aluminum
Weight	22.5 kg

COMPONENT MATERIALS

Cells per module	72
Cell type	Mono crystalline
Cell dimensions	156 mm x 156 mm
Front	3,2 mm tempered glass (EN 12150)

THERMAL CHARACTERISTICS

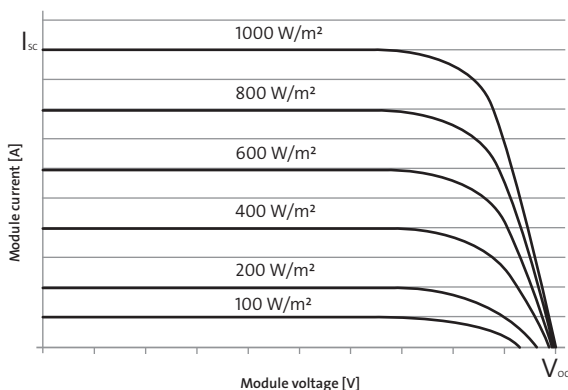
NOCT	46 °C
TC I_{sc}	0.042 %/K
TC U_{oc}	-0.304 %/K
TC P_{mpp}	-0.43 %/K

ADDITIONAL DATA

Power sorting	-0 Wp / +5 Wp
J-Box	IP65
Connector	KSK4

PARAMETERS FOR OPTIMAL SYSTEM INTEGRATION

Maximum system voltage SC II	1000 V
Maximum reverse current	25 A
Load / dynamic load	5.4 / 2.4 kN/m ²
Number of bypass diodes	3
Operating range	-40 °C to +85 °C



- Qualified, IEC 61215
- Safety tested, IEC 61730
- Periodic Inspection
- Blowing sand resistant

