Sunmodule^{*} Plus SW 285 MONO (33mm frame)





TUV Power controlled: Lowest measuring tolerance in industry



Every component is tested to meet 3 times IEC requirements



Designed to withstand heavy accumulations of snow and ice



Sunmodule Plus: Positive performance tolerance



25-year linear performance warranty and 10-year product warranty



Glass with anti-reflective coating

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.

SolarWorld Plus-Sorting

Plus-Sorting guarantees highest system efficiency. SolarWorld only delivers modules that have greater than or equal to the nameplate rated power.

25-year linear performance guarantee and extension of product warranty to 10 years

SolarWorld guarantees a maximum performance digression 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, along with our industry-first 10-year product warranty.*

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



















solarworld.com

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PERFORMANCE UNDER STANDARD TEST CONDITIONS (STC)*

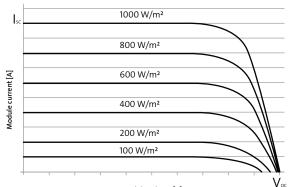
P _{max}	285 Wp
V _{oc}	39.7 V
V _{mpp}	31.3 V
I _{sc}	9.84 A
Impp	9.20 A
η	17.0 %
	V _{oc} V _{mpp} I _{sc} I _{mpp}

*STC: 1000 W/m², 25°C, AM 1.5

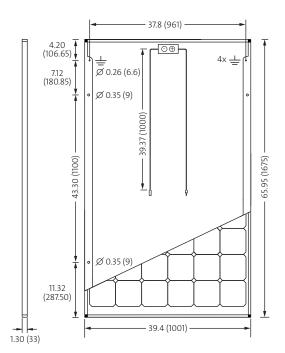
1) Measuring tolerance (P_{max}) traceable to TUV Rheinland: +/- 2% (TUV Power Controlled).

THERMAL CHARACTERISTICS

NOCT	46 °C
TC I _{sc}	0.04 %/°C
TC Voc	-0.30 %/°C
TC P _{mpp}	-0.41 %/°C
Operating temperature	-40°C to 85°C



Module voltage [V]



PERFORMANCE AT 800 W/m², NOCT, AM 1.5

Maximum power	P _{max}	213.1 Wp
Open circuit voltage	V _{oc}	36.4 V
Maximum power point voltage	V _{mpp}	28.7 V
Short circuit current	I _{sc}	7.96 A
Maximum power point current	Impp	7.43 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	60
Cell type	Mono crystalline
Cell dimensions	6.17 in x 6.17 in (156.75 x 156.75 mm)
Front	Tempered glass (EN 12150)
Frame	Clear anodized aluminum
Weight	39.7 lbs (18.0 kg)

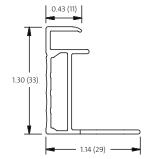
SYSTEM INTEGRATION PARAMETERS

Maximum system voltage SC II / NEC		1000 V
Maximum reverse current		25 A
Number of bypass diodes		3
Design Loads*	Two rail system	113 psf downward 64 psf upward
Design Loads*	Three rail system	178 psf downward 64 psf upward
Design Loads*	Edge mounting	178 psf downward 41 psf upward

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

ADDITIONAL DATA

Power sorting ¹	-0 Wp / +5 Wp
J-Box	IP65
Module leads	PV wire per UL4703 with H4 connectors
Module type (UL 1703)	1
Glass	Low iron tempered with ARC



 Compatible with both "Top-Down" and "Bottom" mounting methods

• \downarrow Grounding Locations: - 4 locations along the length of the module in the extended flange.

