Sunmodule®
SW 320-325 XL MONO (33mm frame)

SOLARWORLD
REAL VALUE

TÜVRheinland CERTIFIED
TUV Power controlled:
Lowest measuring tolerance in industry

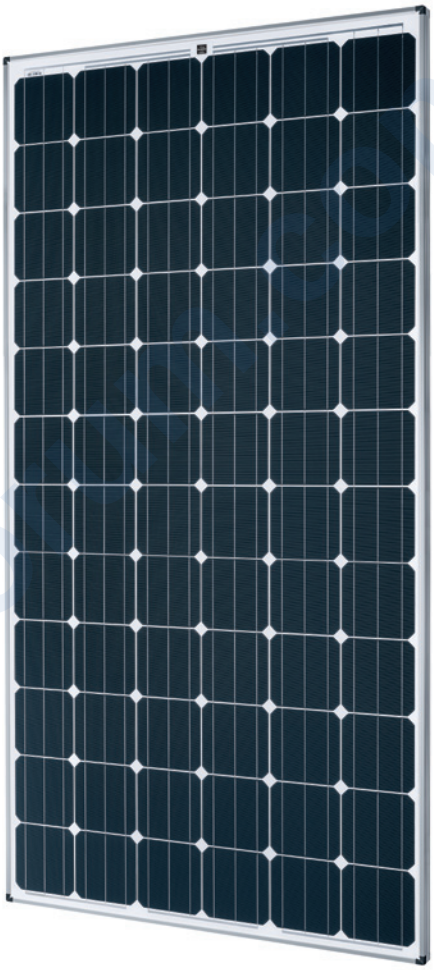
RELIABLE
Every component is tested to meet
3 times IEC requirements

MAX. LOAD 8500 Pa/178 psf
Designed to withstand heavy
accumulations of snow and ice

-0/+5 Wp
Sunmodule
Positive performance tolerance

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

Anti-Reflective Coating
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

- Qualified, IEC 61215
- Safety tested, IEC 61730
- Blowing sand resistance, IEC 60068-2-68
- Ammonia resistance, IEC 62716
- Salt mist corrosion, IEC 61701
- Periodic inspection

- Periodic inspection
- Power controlled

UL 1703

ISO 9001
ISO 14001
Certified

Home Innovation
NGBS GREEN CERTIFIED

MCS

Quality modules
made in Germany

solarworld.com

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PERFORMANCE UNDER STANDARD TEST CONDITIONS (STC)*

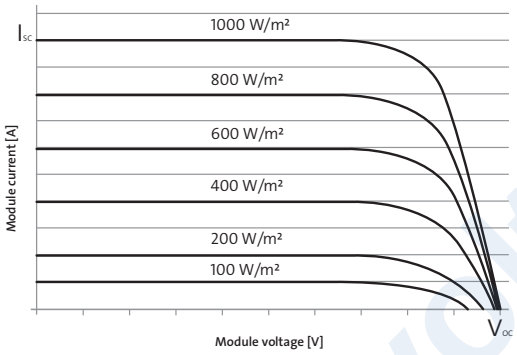
		SW 320	SW 325
Maximum power	P_{max}	320 Wp	325 Wp
Open circuit voltage	V_{oc}	45.9 V	46.1 V
Maximum power point voltage	V_{mpp}	36.7 V	37.0 V
Short circuit current	I_{sc}	9.41 A	9.48 A
Maximum power point current	I_{mpp}	8.78 A	8.84 A
Module efficiency	η_m	16.04 %	16.29 %

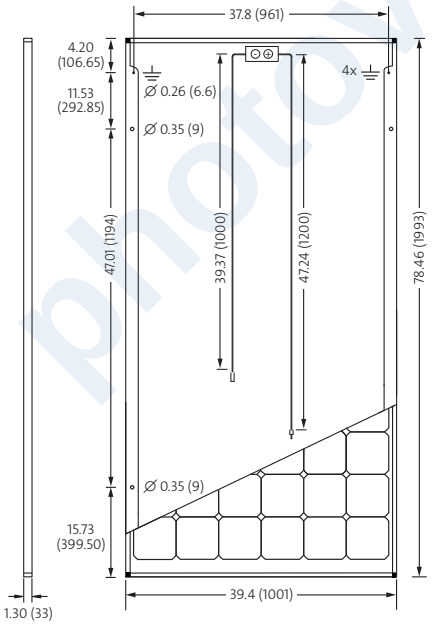
*STC: 1000W/m², 25°C, AM 1.5

PERFORMANCE AT 800 W/M², NOCT, AM 1.5

		SW 320	SW 325
Maximum power	P_{max}	244.4 Wp	247.7 Wp
Open circuit voltage	V_{oc}	40.1 V	40.2 V
Maximum power point voltage	V_{mpp}	33.8 V	34.0 V
Short circuit current	I_{sc}	7.82 A	7.88 A
Maximum power point current	I_{mpp}	7.23 A	7.28 A

Minor reduction in efficiency under partial load conditions at 25° C: at 200 W/m², 100% of the STC efficiency (1000 W/m²) is achieved.





COMPONENT MATERIALS

Cells per module	72	*Front*	Low-iron tempered glass with ARC (EN 12150)
Cell type	Mono crystalline	*Frame*	Clear anodized aluminum
Cell dimensions	6.17 in x 6.17 in (156.75 x 156.75 mm)	*Weight*	47.6 lbs (21.6 kg)

THERMAL CHARACTERISTICS

NOCT	46°C
TCI_{sc}	0.042 %/K
TCV_{oc}	-0.304 %/K
TCP_{mpp}	-0.43 %/K
Operating temp	-40° C to +85° C

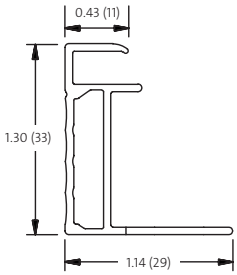
ADDITIONAL DATA

Power sorting	-0 Wp/+5 Wp
J-Box	IP65
Connector	PV wire per UL4703 with H4 connectors
Module fire performance	(UL 1703) Type 1

PARAMETERS FOR OPTIMAL SYSTEM INTEGRATION

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**	*Edge mounting*	178 psf downward, 23 psf upward

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



- Compatible with both "Top-Down" and "Bottom" mounting methods
- ⏚ Grounding Locations:
  – 4 locations along the length of the module in the extended flange.

All units provided are imperial. SI units provided in parentheses.
SolarWorld AG reserves the right to make specification changes without notice.