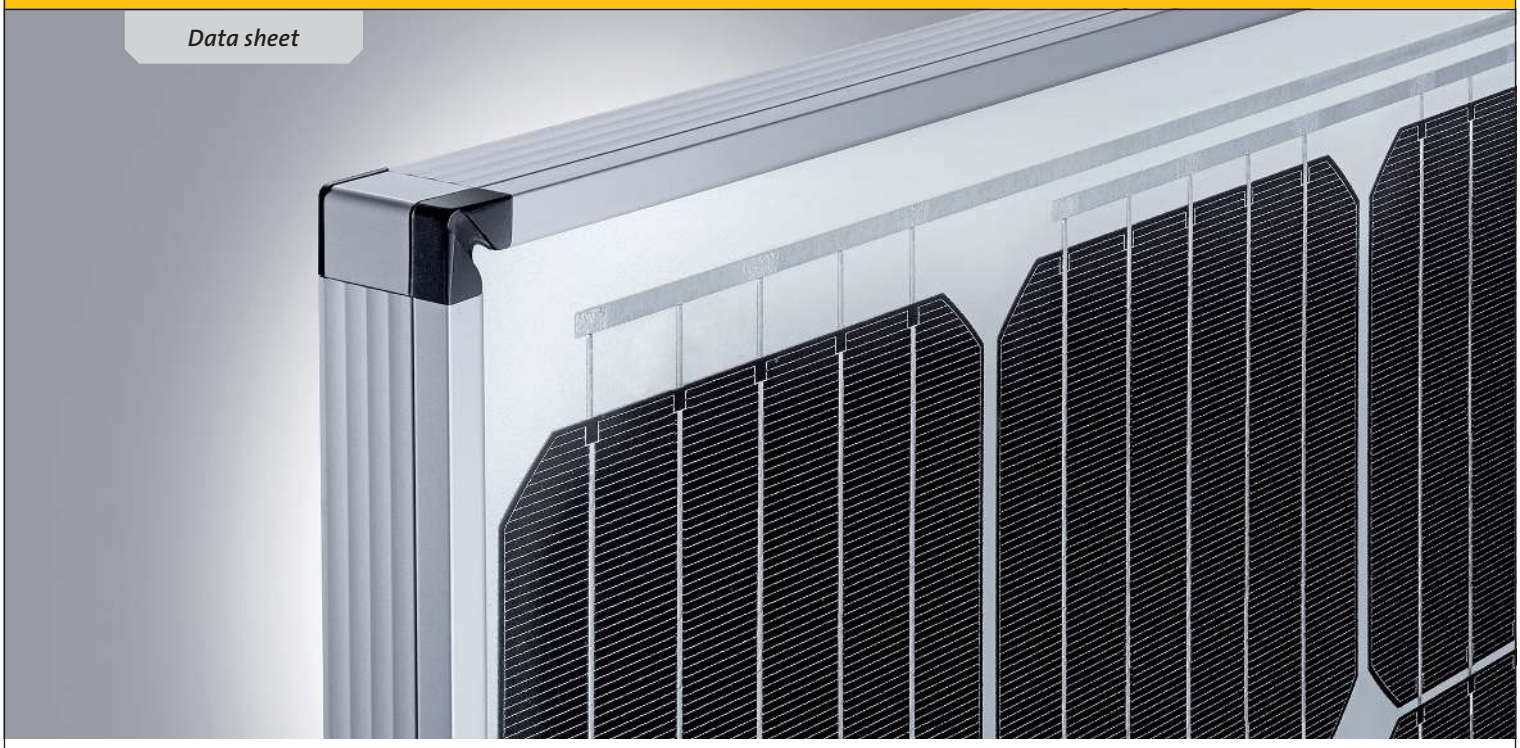
Sunmodule®
SW 340 - 350 XL MONO

SOLARWORLD
REAL VALUE

Data sheet



HIGH QUALITY ENGINEERING BY SOLARWORLD

More than 40 years of technology expertise, ongoing innovation and continuous optimization create the foundation for the performance of Solarworld's high-quality modules. All production steps, from silicon to module, are established at our production sites, ensuring the highest quality for our customers every step of the way. Our modules are extremely flexible when it comes to their application and provide optimal solutions for installation and non-stop performance – worldwide.

- Lower BOS costs than for 60-cell modules – faster return on investment
- Tested in extreme weather conditions – resistance to salt spray, frost and hail-proof, resistance to ammonia, dust and sand
- PID-resistant and proven hotspot guarantee
- Highly-efficient cells (mono PERC) for the highest possible yields
- Harmonized components such as mounting systems, connector cables, inverters and energy storage systems can be delivered as complete system
- Patented drainage corners for optimized self-cleaning
- Front glass with an anti-reflective coating
- Long-term safety and guaranteed top performance – 25-year linear performance warranty 10-year product warranty

High Quality Engineering by SolarWorld

Sunmodule®
SW 340 - 350 XL MONO

SOLARWORLD
REAL VALUE

PERFORMANCE UNDER STANDARD TEST CONDITIONS (STC)*

		SW 340	SW 345	SW 350
Maximum power	P_{max}	340 Wp	345 Wp	350 Wp
Open circuit voltage	U_{oc}	47.6 V	47.8 V	48 V
Maximum power point voltage	U_{mpp}	38 V	38.2 V	38.4 V
Short circuit current	I_{sc}	9.69 A	9.75 A	9.82 A
Maximum power point current	I_{mpp}	9.01 A	9.1 A	9.17 A
Module efficiency	η_m	17.04 %	17.29 %	17.54 %

Measuring tolerance (P_{max}) traceable to TUV Rheinland: +/- 2% (TUV Power controlled, ID 0000039351) *STC: 1000W/m², 25°C, AM 1.5

PERFORMANCE AT 800 W/m², NOCT, AM 1.5

		SW 340	SW 345	SW 350
Maximum power	P_{max}	259.3 Wp	263.8 Wp	267.2 Wp
Open circuit voltage	U_{oc}	41.5 V	41.8 V	42 V
Maximum power point voltage	U_{mpp}	34.9 V	35.2 V	35.4 V
Short circuit current	I_{sc}	8.05 A	8.1 A	8.16 A
Maximum power point current	I_{mpp}	7.42 A	7.5 A	7.56 A

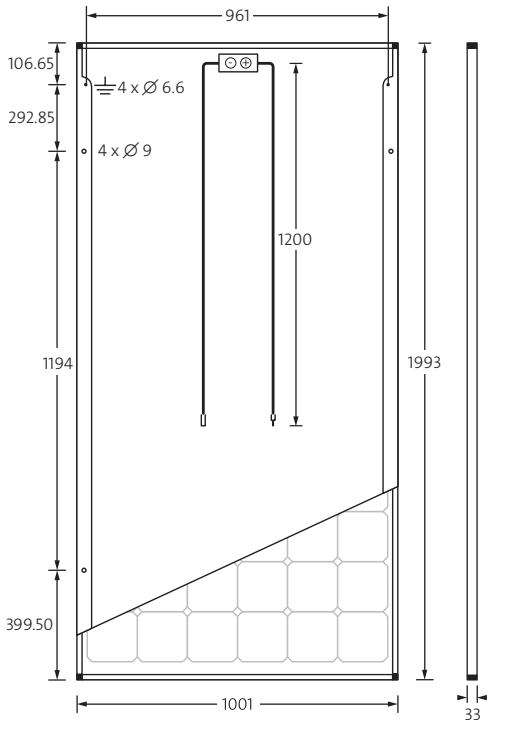
Minor reduction in efficiency under partial load conditions at 25°C: at 200 W/m², 97% (+/-3%) of the STC efficiency (1000 W/m²) is achieved.

PARAMETERS FOR OPTIMAL SYSTEM INTEGRATION

Power sorting	-0 Wp / +5 Wp
Maximum system voltage IEC / NEC	1000 V / 1500 V
Maximum reverse current	25 A
Number of bypass diodes	3
Operating range	-40°C - +85°C
*Maximum Design Loads (Two rail system)**	+5.4 kN/m² / -3.1 kN/m²

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

ISO 9001
ISO 14001
Certified



COMPONENT MATERIALS

Cells per module	72
Cell type	Mono crystalline PERC
Cell dimensions	156 mm x 156 mm
Front	Tempered safety glass (EN 12150)
Back	Film, white
Frame	Clear anodized aluminum
J-Box	IP65
Connector	H4

DIMENSIONS / WEIGHT

Length	1993 mm
Width	1001 mm
Height	33 mm
Weight	21.6 kg

THERMAL CHARACTERISTICS

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

ORDERING INFORMATION

Order number	*Description*
82000134	Sunmodule SW 340 XL mono
82000136	Sunmodule SW 345 XL mono
82000138	Sunmodule SW 350 XL mono

CERTIFICATES AND WARRANTIES

Certificates	IEC 61730	IEC 61215	UL 1703
	IEC 62716	IEC 60068-2-68	IEC 61701
Warranties	Product Warranty		10 years
	Linear Performance Guarantee		25 years

SolarWorld AG reserves the right to make specification changes without notice. This data sheet complies with the requirements of EN 50380.

90002412 | V2 2016-08-30 EN