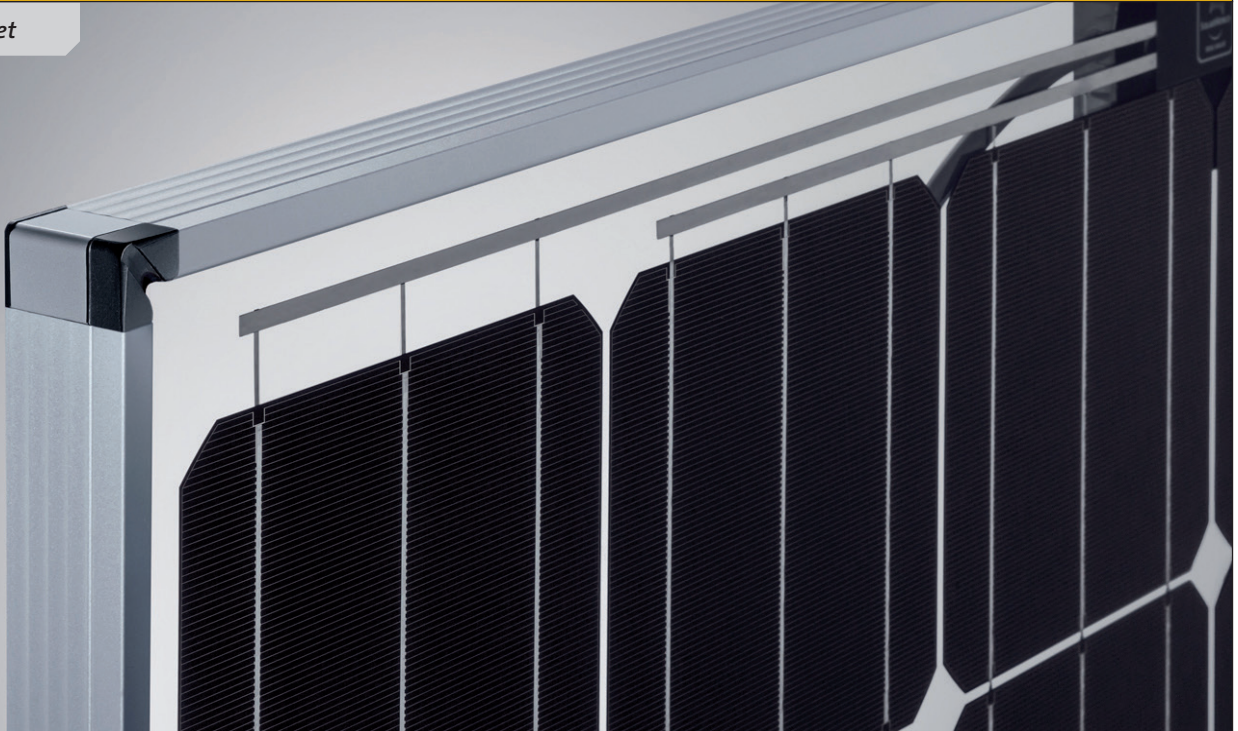


Data sheet



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.

- » Up to 25 % more yield thanks to highly-efficient bifacial cell technology – light from all directions is transformed into power through the active rear side of the module
- » 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
- » 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



Sunmodule[®] Bisun SW 325 XL DUO



PERFORMANCE UNDER OPTIMIZED CONDITIONS

		6 %	10 %	20 %	25 %
Energy boost					
Maximum power	P_{max}	343 Wp	355 Wp	385 Wp	400 Wp
Open circuit voltage	U_{oc}	39.0 V	39.0 V	39.0 V	39.0 V
Maximum power point voltage	U_{mpp}	37.3 V	37.2 V	37.0 V	36.9 V
Short circuit current	I_{sc}	9.84 A	10.21 A	11.14 A	11.60 A
Maximum power point current	I_{mpp}	9.20 A	9.55 A	10.42 A	10.85 A
Module efficiency	η_m	17.20 %	17.80 %	19.30 %	20.04 %

PERFORMANCE UNDER STANDARD TEST CONDITIONS (STC)*

Maximum power	P_{max}	325 Wp
Open circuit voltage	U_{oc}	47.0 V
Maximum power point voltage	U_{mpp}	37.7 V
Short circuit current	I_{sc}	9.28 A
Maximum power point current	I_{mpp}	8.68 A
Module efficiency	η_m	16.29 %

Measuring tolerance (P_{max}) traceable to TUV Rheinland: +/- 2 %
(TUV Power controlled, ID 0000039351)

*STC: 1000 W/m², 25° C, AM 1.5

PERFORMANCE AT 800 W/m², NOCT, AM 1.5

Maximum power	P_{max}	242 Wp
Open circuit voltage	U_{oc}	42.9 V
Maximum power point voltage	U_{mpp}	34.4 V
Short circuit current	I_{sc}	7.50 A
Maximum power point current	I_{mpp}	7.01 A
Module efficiency	η_m	12.15 %

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 SC II	1000 V
Maximum reverse current	25 A
Number of bypass diodes	3
Operating range	-40°C - +85°C
Maximum Design Loads (Two rail system)*	+2.4 kN/m ² / -2.4 kN/m ²

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

COMPONENT MATERIALS

Cells per module	72
Cell type	bifacial duo
Cell dimensions	156 mm x 156 mm
Front	Tempered safety glass (EN 12150)
Back	transparent backsheet
Frame	clear anodized aluminum
J-Box	IP65
Connector	H4 UTX

DIMENSIONS / WEIGHT

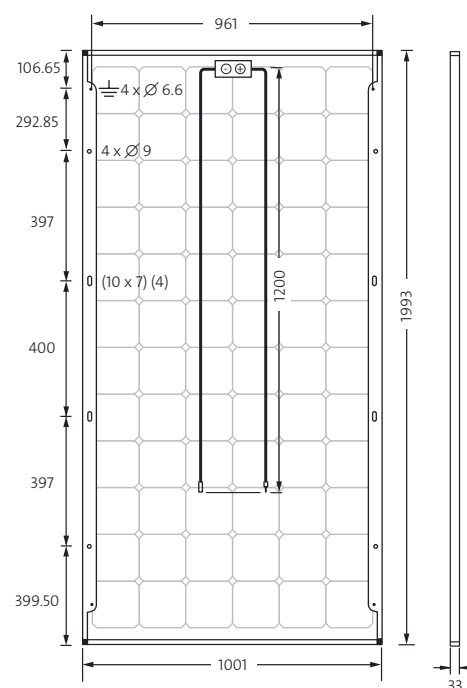
Length	1993 mm
Width	1001 mm
Height	33 mm
Weight	21.6 kg

THERMAL CHARACTERISTICS

NOCT	48 °C
TK I_{sc}	0.044 %/K
TK U_{oc}	-0.31 %/K
TK P_{mpp}	-0.43 %/K

ORDERING INFORMATION

Order number	Description
82000233	Sunmodule Bisun SW 325 XL duo



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	