

NEW! 25-YEAR LINEAR PERFORMANCE GUARANTEE AND 5-YEAR EXTENDED PRODUCT WARRANTY*

 Length
 65.94 in (1675 mm)

 Width
 39.41 in (1001 mm)

 Height
 1.22 in (31 mm)

 Weight
 46.7 lbs (21.2 kg)

 Frame
 Aluminum





Sunmodule[®] SW 245 MONO

World-class quality

SolarWorld products are manufactured in state-of-the-art factories according to strict German and US quality standards.

Award-winning products

SolarWorld modules have been ranked number one for two years running in ongoing comparison tests carried out by the Photon trade magazine. Sunmodule plus panels generated up to 12% more yield than other major brand panels.

SolarWorld Plus-Sorting

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

25-year Linear Performance Guarantee*

SolarWorld guarantees, over 25 years, that the modules' performance will not decrease by more than 0.7% per year – a distinct added value compared to industry-standard two-tiered guarantees.

*according to the SolarWorld service certificate valid at the time of purchase www.solarworld-global.com/service-certificate





PERFORMANCE UNDER STANDARD TEST CONDITIONS (STC*)

		S W 245	
Maximum power	P _{max}	245 Wp	
Open circuit voltage	V _{oc}	37.7 V	
Maximum power point voltage	V_{mpp}	30.8 V	
Short-circuit current	I _{sc}	8.25 A	
Maximum power point current	I _{mpp}	7.96 A	

*STC: 1000W/m², 25°C, AM 1.5

PERFORMANCE AT 800 W/M², NOCT, AM 1.5

		S W 245	
Maximum power	P _{max}	179 Wp	
Open circuit voltage	V _{oc}	34.4 V	
Maximum power point voltage	V _{mpp}	28.1 V	
Short-circuit current	l _{sc}	6.65 A	
Maximum power point current	Impp	6.37 A	

Minor reduction in efficiency under partial load conditions at 25°C: at 220 W/m², 95% (+/-3%) of the STC efficiency (1000 W/m²) is achieved.

COMPONENT MATERIALS

Cells per module	60
Cell type	Monocrystalline Silicon
Cell dimensions	156 mm x 156 mm
Front	tempered glass (EN12150)

THERMAL CHARACTERISTICS

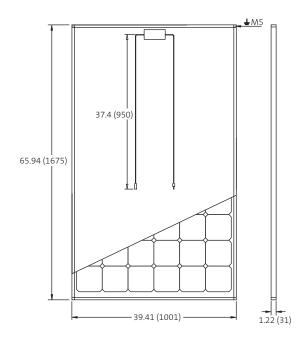
NOCT	47 °C
TC I _{sc}	0.042 %/°C
TC V _{oc}	-0.33 %/°C
TC P _{mpp}	-0.45 %/°C

SYSTEM INTEGRATION PARAMETERS

Maximum system voltage SC II	1000 V
Maximum system voltage USA NEC	600 V
Maximum reverse current	16 A
Increased snowload acc. to IEC 61215	5.4 kN/m²

ADDITIONAL DATA

Power tolerance ¹	+/- 3 %
SolarWorld Plus-Sorting ¹	$P_{Flash} \ge P_{max}$
Junction box	IP65
Connector	MC4
PTC rating	219.6 W
Module efficiency	14.6 %















1) The output identified by SolarWorld (P $_{\rm Flash}$) is always higher than the nominal output (P $_{\rm max}$) of the module.

SolarWorld AG reserves the right to make specification changes without notice. This data sheet complies with the requirements of EN 50380. Sunmodule panels are manufactured in ISO 9001:2000 certified facilities