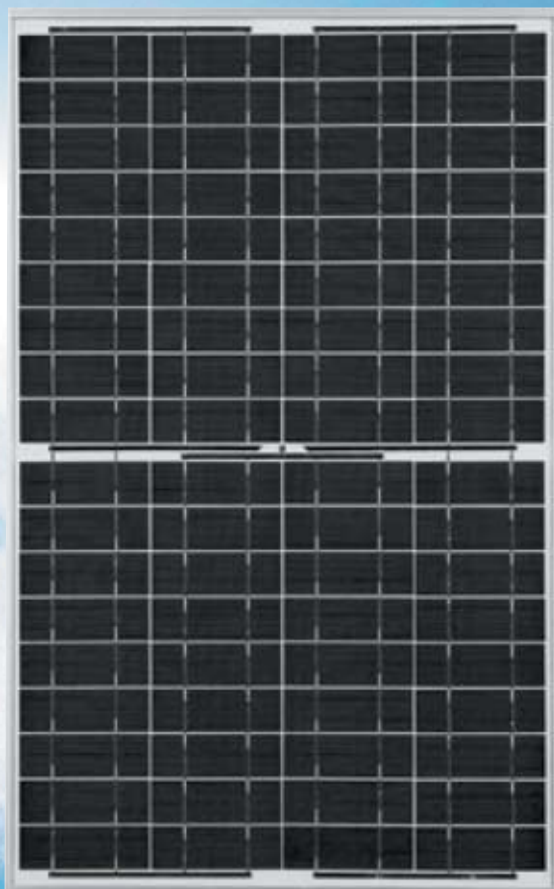


Sunmodule®

SW 50 poly/R



The Sunmodule® SW 50 poly/R by SolarWorld offers an innovative module concept – with designs created specifically for off-grid applications.

High efficiency crystalline silicon cell technology; enhanced by new high quality anti-reflection coatings leads to an exceptional performance.

Easy installation is assured through the field-accessible junction box and 4 mounting holes and 2 grounding holes per product.

This top-quality product represents the ideal solution for every application.

	Module
Length:	861 mm
Width:	536 mm
Height:	34 mm
Frame:	Aluminium
Weight:	5.5 kg

Edition: June 2006



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Performance under standard test conditions (STC)

Peak power (Pmax)	50 Wp
Maximum power point voltage (Vmpp)	17.0 V
Maximum power point current (Impp)	3.00 A
Open circuit voltage (Voc)	21.5 V
Short circuit current (Isc)	3.26 A

Performance at 800 W/m², NOCT, AM 1.5

Peak power (Pmax)	38 Wp
Maximum power point voltage (Vmpp)	15.6 V
Maximum power point current (Impp)	2.44 A
Open circuit voltage (Voc)	19.6 V
Short circuit current (Isc)	2.7 A

Minor reduction in efficiency under partial load conditions at 25°C: at 200 W/m²; 92 % (+/- 10 %) of the STC efficiency (1000 W/m²) is achieved.

Component materials

Cells per module	72
Solar cells	polycrystalline silicon
Cell dimensions	125 x 41.5 mm²

Thermal characteristics

NOCT	44°C
TK Isc	0.03 %/K
TK Voc	-0.35 %/K

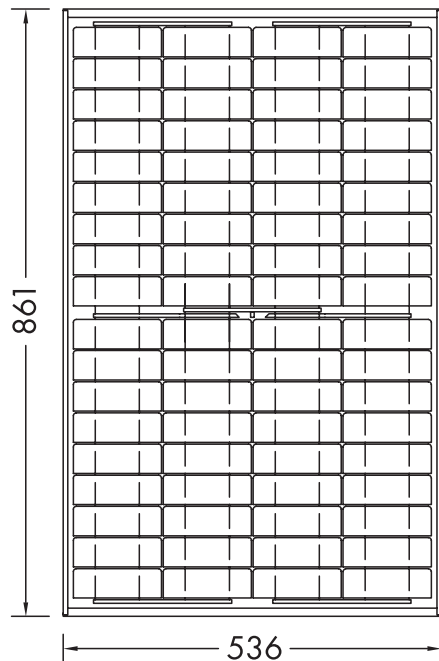
System design characteristics

Maximum system voltage	120 V
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Rated power and maximum tolerance

Rated power	50 Wp +/- 10 %
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front view SW 50 poly/R



rear view SW 50 poly/R

