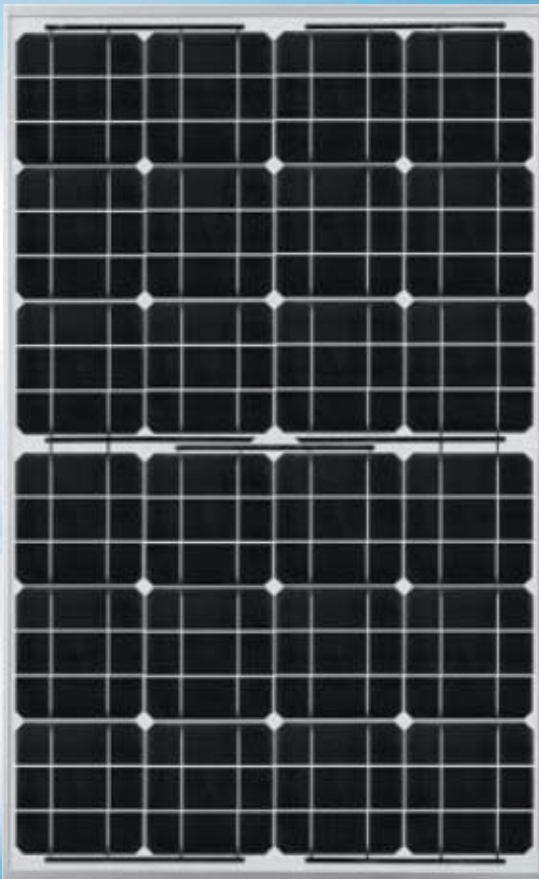


# Sunmodule®

## SW 50 mono/R



The Sunmodule<sup>®</sup> SW 50 mono/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

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Distributor

**Renewpowers Technologies Pte Ltd**

+65 6741 7123 Phone

+65 6441 7379 Fax

rpt@renewpowers.com

www.renewpowers.com



**Performance under standard test conditions (STC)**

Peak power (Pmax)	50 Wp
Maximum power point voltage (Vmpp)	16.2 V
Maximum power point current (Impp)	3.10 A
Open circuit voltage (Voc)	21.0 V
Short circuit current (Isc)	3.40 A

**Performance at 800 W/m², NOCT, AM 1.5**

Peak power (Pmax)	37 Wp
Maximum power point voltage (Vmpp)	14.5 V
Maximum power point current (Impp)	2.55 A
Open circuit voltage (Voc)	19.7 V
Short circuit current (Isc)	3.90 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	monocrystalline silicon
Cell dimensions	125 x 41.5 mm²

**Thermal characteristics**

NOCT	45.5°C
TK Isc	0.03 %/K
TK Voc	-0.33 %/K

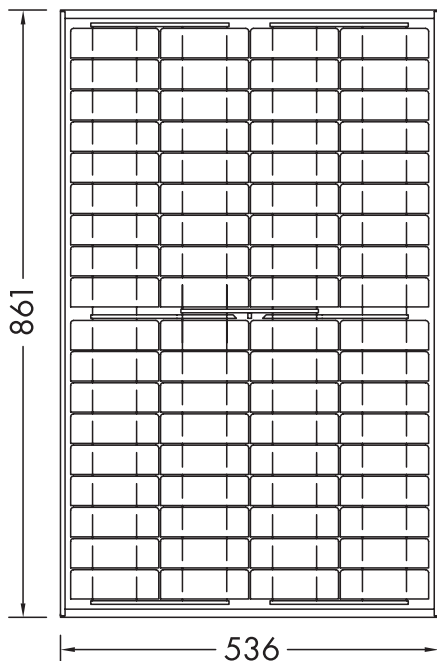
**System design characteristics**

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 mono/R



rear view SW 50 mono/R

