



Sunmodule® SW 70/75/80/85/90 mono/R5A

With its Sunmodule® SW 70/75/80/85/90 mono/R5A SolarWorld presents a photovoltaic module ideally suitable for both off-grid and small on-grid applications. Highest quality standards are applied in the entire manufacturing process. SolarWorld's in-depth expertise ensures best performance and highest energy yields over the entire lifespan, even under challenging climatic conditions.

The Sunmodule® is particularly used in industrial applications such as powering off-grid telecom or monitoring systems. It also covers a wide range of rural electrification applications in remote areas, e.g. solar home systems, village power supply, street lighting and many more.

The compact dimensions of the Sunmodule® and the solid workmanship of its aluminum frame allow easy and flexible mounting. The design of the water repellent junction box makes wiring easy and secure. The junction box is equipped with two cable glands and two easy to wire spring-type clamps, so no special tools are needed. This simplifies installation and speeds up the installation process.



		SW 70	SW 75	SW 80	SW 85	SW 90
Maximum power	P_{\max}	70 Wp	75 Wp	80 Wp	85 Wp	90 Wp
Open circuit voltage	V_{oc}	21.5 V	21.7 V	21.9 V	22.1 V	22.3 V
Maximum power point voltage	V_{mpp}	17.0 V	17.3 V	17.5 V	17.8 V	18.0 V
Short circuit current	I_{sc}	4.60 A	4.80 A	5.00 A	5.20 A	5.40 A
Maximum power point current	I_{mpp}	4.13 A	4.35 A	4.58 A	4.79 A	5.01 A

		SW 70	SW 75	SW 80	SW 85	SW 90
Maximum power	P_{\max}	50 Wp	53.6 Wp	57.2 Wp	60.8 Wp	64.4 Wp
Open circuit voltage	V_{oc}	19.4 V	19.6 V	19.8 V	20.0 V	20.2 V
Maximum power point voltage	V_{mpp}	15.3 V	15.5 V	15.7 V	15.9 V	16.1 V
Short circuit current	I_{sc}	3.80 A	3.97 A	4.13 A	4.30 A	4.46 A
Maximum power point current	I_{mpn}	3.29 A	3.46 A	3.64 A	3.81 A	3.99 A

Power tolerance	+/- 5 %
Maximum outer cable diameter	6.9 mm
Maximum wire cross section	4 mm ² (AWG 12)



Diagram illustrating a three-layer system. A gray substrate (1) is shown, with a thin gray layer (2) and a white layer (3) on top. The layers are labeled 1, 2, and 3.

- 1] Front: tempered glass
- 2] crystalline solar cells embedded in EVA (ethylene-vinyl-acetate)
- 3] Rear: Multilayer

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SolarWorld AG reserves the right to make specification changes without notice.