



Length 1508 mm
Width 680 mm
Height 34 mm
Frame Aluminium
Weight 11.8 kg

Sunmodule[®] SW 120 poly/R6A



With Sunmodule SW 120 poly/R6A, Solar World presents a solar energy module, which is ideally suitable for the requirements of applications of any kind to be performed off-grid. The highest demands with regard to manufacturing quality and the many years of Solar World's practical experience guarantee the solar power module's long life span at high levels of performance, even under extreme conditions.

The module is suitable for industrial applications such as the power supply of telecommunication systems at off-grid locations as well as for a number of applications that have to do with supplying power in remote rural areas.

Because of its compact dimensions and the solid workmanship of its aluminium frame, it can be mounted easily and flexibly. The water repellent junction box allows the modules to be connected easily and safely and facilitates a simple and quick installation process. The junction box is equipped with four grommets and cable terminals inside of the box. Series connection of modules for systems with higher system voltage is just as possible as is a parallel connection for systems with higher operating current.



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Performance under standard test conditions

		SW 120
Maximum power	P_{max}	120 Wp
Open circuit voltage	V_{oc}	21.5 V
Maximum power point voltage	V_{mpp}	17.9 V
Short circuit current	I_{sc}	7.23 A
Maximum power point current	I_{mpp}	6.72 A

Component materials

Cells per module		36
Cell type	polycrystalline silicon	
Cell dimensions		156 x 156 mm ²

Thermal characteristics

NOCT		46°C
TC I_{sc}		0.034 %/K
TC V_{oc}		-0.34 %/K

System integration parameters

Maximum system voltage SC II		1000 V _{DC}
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Additional data

Power tolerance		+/- 5 %
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