SW-8048

Type	High Efficient Solar Module
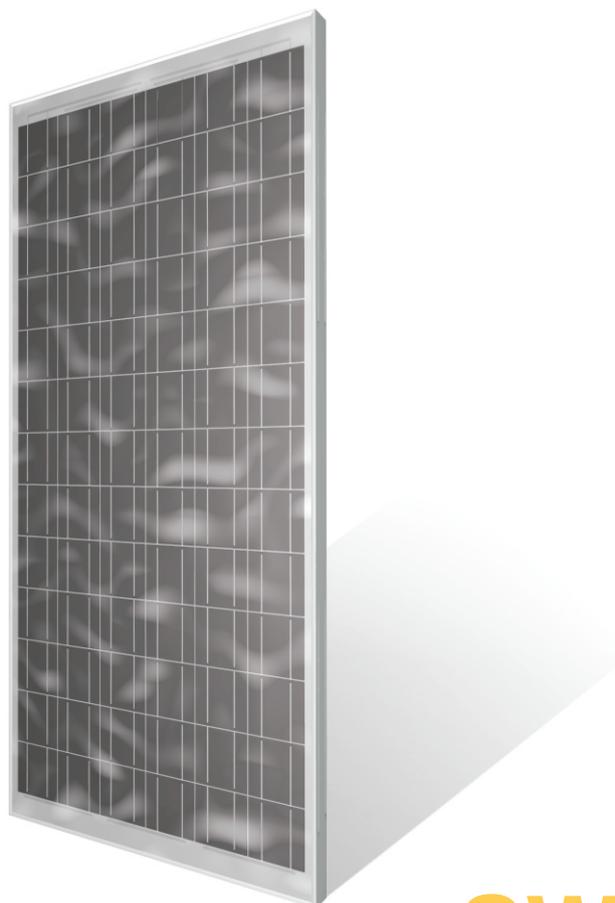
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Product description

The SunWare SW 8048 is a high performance solar module with 78 black monocrystalline cells. Monocrystalline cells are the warranty for high output at all light conditions.

The cells are capsulated in TPU. This material has been especially developed for solar modules by the company BAYER. It has a lot of advantages compared with EVA:

- higher flexibility within a wide temperature range
- higher adhesive forces to glass, solar cells and Tedlar
- the module is easy to recycle

The module has a silver anodised aluminum frame and a white multilayer backside sheet.

Inside the two junction boxes are each 2 bypass diodes to protect the modules from HotSpot effects.

The junction boxes has a cable outlet for a cables with an outer diameter of 6mm.

The module is designed for a system voltage of up to 700V. The modules are completely maintenance-free, durable and weatherproof.

Within the scope of constant quality control, each module is tested individually.

SW-8048

Technical features

Technical features	Value	Unit
P max	125	**Wattpeak**
I max	6,5	Ampère
U oc	23,8	Volt
I sc	6,9	Ampère
Qty. of cells	78	pieces
Cell size	100 x 100	mm
Laminate	Glass/TPU/(PVF/PET/PVF)	
Length	1425	mm
Width	652	mm
Tickness	45	mm
max. System Voltage	700	Volt
Tolerance	+- 10	%
Colors	silver frame, white backsheet	
Glass thickness	3,2	mm
NTOC	47	°C
Temp. Coeff I sc	+1,6	mA/K
Temp. Coeff Uoc	-2,2	mV/K
Packaging	packed on palette	
Weight netto	approx 11,5	kg
Weight brutto	aprox. 13,5	kg

Technical changes reserved

* details are defined in the "SunWare warranty conditions for glass modules" document

Specifications

- the electrical specifications are under test conditions of irradiance of 1 kW/m², Spectrum 1,5 air mass and cell temperature of 25°C.

- 2 year limited warranty on material and workmenship.

- 10 year limited warranty on power output*.

- SunWare reserves the right to modify specifications without notice.

Field of application

Electrical characteristic

Dimensioning

1425

652

45

Profile