

# High-Efficiency Solarmodule SURF6/12/18

## Technical Informations

### Product Description

SURF6/12/18 are semi flexible, ultra-light solar modules with monocrystalline, high efficiency solar cells for mobile or outdoor applications such as car/motorcycle, camping, or boats. Besides their high robustness and weather resistance they exhibit a significant classic design with dark blue, contact free solar cells and a special structured surface.

The SURF modules are equipped with an integrated high-efficiency DC-converter/charge controller for 12V lead-acid batteries in a separate box with a 2m output cable and a standard DC plug. The cable can be connected directly to 12V lead acid batteries or 12V devices as well.

The SURF modules are delivered together with a 60cm adapter cable with battery clamps, e.g. for car batteries. Other adapter cables, such as a standard car cigarette lighter jack or a cable with open ends, are available on request.

### Technical data

	Measures (mm)	Weight (kg)	Rated power (Wp)	USB output voltage (V)	Current (A) at 12V
<b>Surf6</b>	178 x 276 x 2,5	0,2	6,3	14,2	0,42
<b>Surf12</b>	307 x 276 x 2,5	0,33	12,6	14,2	0,84
<b>Surf18</b>	436 x 276 x 2,5	0,46	18,9	14,2	1,26

Electrical values @ STC (1000W/m<sup>2</sup> AM1.5 / 25° module temperature), Tolerance ±7%

<i>Ambient temperature range:</i>	-25 ... +55°C (during continuous operation)
<i>Maximum relative humidity:</i>	90% (during continuous operation)
<i>Connection:</i>	Cable 2m + DC plug 5,5/2,1mm
<i>Warranty:</i>	2 Years, Performance guarantee 5 years with 90% output



Surf 12



Surf6 with battery pickles

**Attention:** Please note the correct polarity when connecting to a battery!

