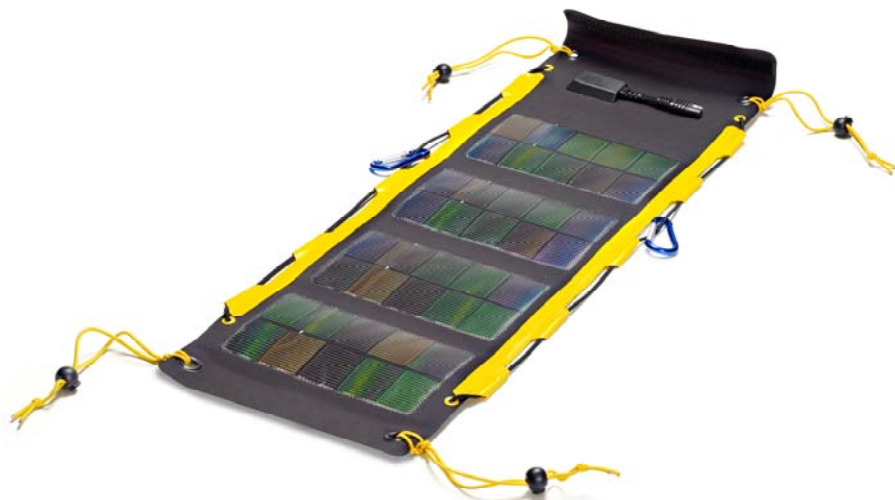


6 Wp Panel



Portable Solar Claw 6 Wp



Unfolded 6 Wp Solar Claw



Solar Claw in use on a tour to Kilimandscharo

Power beyond civilization

On expeditions and tours, on sailing trips, during sports and camping power is needed for mobile electronic equipment like personal navigation device, mobile phone, iPod, digital camera and many more. The **6 Wp foldable Solar Claw** was specially developed for active outdoor use, it is easy to handle and very flexible to attach to backpacks.

Product properties

It is stupendously **lightweight** and, thanks to its elastic attachment system, extremely **flexible to use** and – when folded – it forms a **very small package**.

Highly efficient, cadmium-free CIGS thin film solar cells generate up to **6 W** power on a very compact surface area, which we have also designed to be **extra slim**: thin enough to be used all day on a touring or climbing rucksack or when cycling or skiing without obstructing the user. The **Solar Claw** is **weather-resistant** and has an integrated 15 V voltage limitation.

Recharging mobile devices with solar power

With appropriate adapters the **Solar Claw** can be used to directly recharge mobile devices, if the solar panel's electric output parameters comply with the operating parameters of the connected devices.

However, we recommend the usage of the **Solar Claw** in combination with one of our universal Solar Power Banks, which gather and store the generated solar energy such that it may be accessed at any later time to recharge mobile devices. These most intelligent solar power banks are easy to use and provide appropriate voltages.

Solar energy to go – it's easier than you think!



TECHNICAL DATA

Tab. 1: Electrical characteristics

Electrical characteristics measured at STC* (rating tolerance +/- 15%)	
Typical current at 11 V	433 mA
Nominal operating voltage	12 V (integrated voltage limiter)
Typical power	5.5 W**
Maximum limit for open circuit voltage	15.6 V
Maximum power	6 Wp

*Irradiance level 1000W/m², spectrum AM1.5 and cell temperature 25°C.

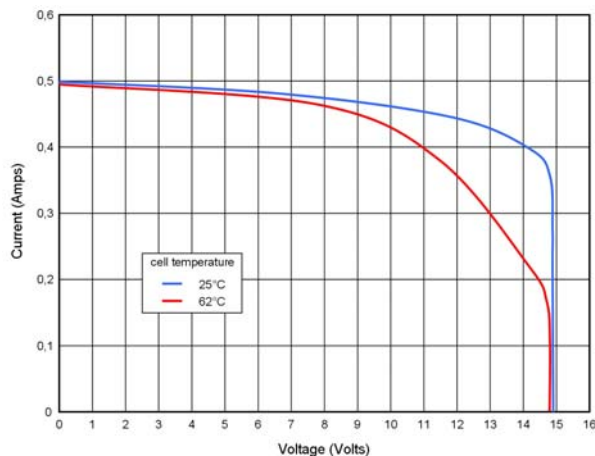
** The thin film solar material may increase in power with exposure to sunlight. Expose the module to sunlight for 3-4 hours for best measurement results.

Tab. 2: Dimensions and Weight

Dimensions when folded	
Length	229 mm
Width	127 mm
Thickness	12.7 mm
Dimensions when deployed	
Length	740 mm
Width	264 mm
Thickness	0.8 mm
Weight	
Weight	200 g
Peak power to weight ratio	32.5 Watt/kg

Tab. 3: Thermal Characteristics

Power degradation	-0.5 % / K
Voltage	-0.5 % / K
Cell temperature operating range	-40°C to 80°C



Typical performance of the solar panel at STC (standard test conditions).

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