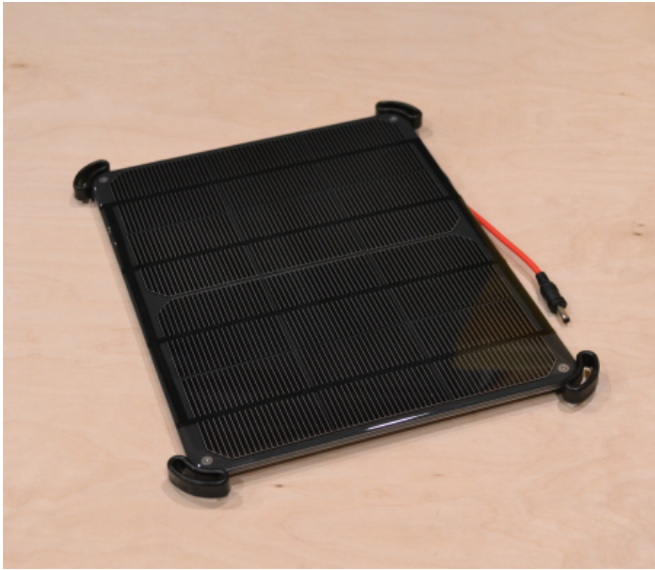


6W Tough Solar Panel by Voltaic (P106C)



Price: CAD \$114.00

SKU: VCPAN6W

Product Categories: [Crystalline](#), [Shop](#), [Solar Modules](#)

Product Tags: [6 watt](#), [6v](#), [6w](#), [6Watt](#), [backpack](#), [backpack solar](#), [canada](#), [cell](#), [lightweight](#), [module](#), [panel](#), [rugged](#), [solar](#), [solar panel](#), [strong](#), [unbreakable](#), [voltaic](#), [voltaic 6w](#), [voltaic canada](#), [voltaic p106c](#), [voltaic systems](#)

Product Page: <https://www.modernoutpost.com/product/voltaic-6w-solar-panel-6v/>

Product Summary

This is the Voltaic 6W tough solar panel. Virtually unbreakable! A great option for charging all your portable USB devices while out in the wild. Charge USB equipment via intermediate [USB solar battery](#)] for power anytime day or night, or directly from the sun via the [Voltaic Smart USB Dongle](#)]. The Voltaic 6W solar panel is waterproof, lightweight, and uses the most efficient monocrystalline cells available. Slide the panel in your bag or mount it nearly anywhere for a minimal, tough charging solution.

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Includes 3.5x1.1mm barrel connector cable, mounting screws, & protective corners. Battery storage not included.

Store the power in a USB battery like the [Voltaic V25](#)] or [V50](#)] or [V75](#)] battery pack, or any other USB battery pack such as **Goal Zero** or **Anker**.

P106C 6W Tough Solar Panel Specifications...

- Voltaic Part# P106C - Dimensions: 220 x 175 x 5mm (8.7 x 6.9 x 0.2 in) - Weight: 241 g (8.5 oz) - Substrate: 3 mm Aluminum/Plastic - Cell Type: Monocrystalline - Cell Efficiency: 18% - Open Circuit Voltage: 7.0 V - Peak Voltage*: 6.0 V - Peak Current*: 975 mA - Peak Power: 5.85 W - Connector: 3.5x1.1 mm plug

Mount: 4 stainless steel bolts with nylon nuts

*Panel output is computed based on cell manufacturer's data assuming 0% reduction of cell efficiency after packaging of cell strings. Electrical output tolerance +/- 10%. Under irradiance of 100 mW/cm², absolute air mass of 1.5, at 25 °C, as per cell manufacturer's specifications.

2-year warranty

HOW TO USE THIS 6W TOUGH SOLAR PANEL... Directly charge USB devices

Connect directly to phones, GPS, & other USB devices using the optional [Voltaic Smart USB Dongle](#)] - A universal regulated USB port. Use an optional [MicroUSB](#) or [USB-C connector](#) to connect the panel directly to USB battery packs. Note that the panel's output current will vary with daylight intensity, and this may not make some USB devices happy. In these cases, your best option is to connect the panel

to a storage battery pack that can deliver consistent power to the level your device wants (see the next option...)

Store solar power in a USB battery pack for use anytime at max power

This is the most powerful option for charging USB devices. Connect the panel to a USB back-up storage battery using the optional Mini or Micro USB connectors. Or use a [Voltaic V25](#)] or [V50](#)] or [V75](#)] USB battery pack. The power you store from the panel in the back-up battery pack can be used any time, day or night, to charge your smartphone, GPS, camera, iPad, or other USB devices.

Connect multiple panels together...

Want to combine several Voltaic solar panel together to create a more powerful solution?

IN PARALLEL

Use the Voltaic Combiner Cable

This give you multiples of the solar module's output at the same voltage (6V). Ideal if you would like to protect against shading, or maximize the input to your battery pack (check its specs).

IN SERIES

Use the [Voltaic 2-Panel Circuit Box](#)] for 12V

Use the [Voltaic 3-Panel Circuit Box](#)] for 18V (best for using standard charge controllers & 12V Lithium batteries like Bioenno)

CONNECT THE PANELS TOGETHER

Use [Panel Clip Edge Connectors](#)] to build bigger modules from smaller modules.

See all of Voltaic's [CABLING & CONNECTION OPTIONS HERE](#)]

Attention Trekkers & Kayakers!...

Want to use the Voltaic 6W solar panel to power your gear while out in the wilderness?

You will want to consider the following accessories...

[AAA/AA USB Charger](#)] : USB charger for AA/AAA.

[USB Dongle](#)] : Universal USB output for all your smartphones, GPS, and GoPro needs

Use Voltaic solar modules in your solar power projects

Connect to your projects using the 3.1x1.1mm barrel connector on the end of the panel's output cable. A great option for school science classes, electronics, and alternative energy studies. Cost effective, rugged, and efficient.

Mounts For These Solar Panels...

Want to attach your Voltaic solar module to a wall, pole, or railing?

Check out the [Universal Mounting Bracket](#).

Of course you can also use zip ties, straps or other means via the solar panels' corners.

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Who is Voltaic Systems?

Voltaic Systems is a full-service provider of remote charging solutions.

Established in 2004, Voltaic broke into the solar industry by designing the world's first solar backpack. Since then, they've applied their extensive knowledge and experience to provide a complete line of solar panels and battery packs for both consumer and industrial customers.

Modern Outpost has been promoting Voltaic Systems' products to the Canadian market since 2006.

From powering bednet distribution programs in Nigeria to designing custom power systems for large-scale asset tracking deployments, Voltaic's customers count on their equipment to keep their devices charged. They choose Voltaic not only for innovative, high-quality products but because of their commitment to understanding project needs.

Voltaic's mission is to promote sustainable technology through research and design while enabling our customers, big and small, to do more. We believe in quality engineering, collaborative problem solving and creating sustainable solutions that support our customers and the planet.

If you have any questions regarding Voltaic products, or wish to discuss a special solar project, please feel free to [contact us](#)].

Product Attributes

- Dimensions: 1 × 1 × 1 cm
- Weight: 0.3 kg

Product Gallery

