

3.5W Tough Solar Panel by Voltaic (P103C)



Price: CAD \$74.00

SKU: VCPAN3W

Product Categories: [Crystalline](#), [In The Field](#), [Shop](#), [Solar Modules](#), [USB Solar](#)

Product Tags: [3](#), [3.4](#), [3.5](#), [3.5 watt](#), [3.5w](#), [6 Volt](#), [canada](#), [modules](#), [rugged](#), [solar panel](#), [tough](#), [usb](#), [voltaic](#), [voltaic 3.5](#), [voltaic systems](#), [watt](#)

Product Page: <https://www.modernoutpost.com/product/3-watt-6-volt-panel/>

Product Summary

Build your own USB charging station using these Voltaic solar panel modules, or combine them to charge larger battery packs. These lightweight, monocrystalline solar panels have the smallest footprint of any 3.5 Watt panel on the market and are super tough. They are waterproof, scratch resistant, and UV resistant.

Product Description

The Voltaic 3.5W rugged solar panel is a super-tough solar charging solution for any USB battery pack. Using the most efficient single crystal solar cell technology, it will charge most compact USB batteries in less than a summer day. Built with threaded mounting holes on the corners, plastic mounting feet, and a 3.5x1.1mm male

barrel-style connector on an 8" cord.

3.5W Rugged Solar Panel Specifications

Dimensions: 210x113x5 mm (8.3x4.4x0.2 in)

Mass: 276 g (9.6 oz)

Substrate: 3 mm Aluminum/Plastic

Cell Type: Monocrystalline

Cell Efficiency: 19%

Open Circuit Voltage: 7.0 V

Peak Voltage*: 6.0 V

Peak Current*: 610 mA

Peak Power: 3.5 W

Connector: 3.5x1.1 mm plug

Mount: 4 stainless steel bolts

*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.

How To Use This 3.5W Rugged Solar Panel... **1. In your solar power projects**

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

2. To charge your USB devices

Connect directly to phones, GPS, & other USB devices using the optional Mini or Micro USB connectors. 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...)

3. Store power in a USB battery pack

This is by far the best option for powering USB devices. Connect the panel to a USB back-up storage battery using the optional Mini or Micro USB connectors. Or use the

Voltaic V15 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 More Panels Together

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

Check the "Accessories" tab on this page to see the various plug-n-play circuit boxes available for doing just that. Combine 1, 2, 3, or 4 panels together in 6V or 12V configurations.

Attention Trekkers!

Want to use this solar panel to power your gear while out in the wilderness? You will want to consider the following accessories...

Panel Straps - Secure the panel to your pack

Ansmann PL Vario Charger - Universal charger for AA/AAA, and most camera battery packs (3.6v-7.4v)

Product Attributes

- Dimensions: 1 × 1 × 1 cm
- Weight: 0.24 kg

Product Gallery



