

17W Solar Laptop Charger Kit by Voltaic



Price: CAD \$539.00

SKU: VCPAN17-KIT

Product Categories: [Camps](#), [Bike Touring](#), [Cabin Solar Power](#), [On The Road](#), [On The Roof](#), [On The Trail](#)

Product Tags: [17](#), [17 watt](#), [17WATT-C](#), [canada](#), [charger](#), [kit](#), [module](#), [portable](#), [portable solar charger](#), [solar](#), [solar charger](#), [solar panel](#), [voltaic](#), [voltaic systems](#)

Product Page: <https://www.modernoutpost.com/product/17w-solar-kit-by-voltaic/>

Product Summary

Voltaic System's top solar charger components bundled together. The 17W Solar Charging Kit offers high-efficiency crystalline solar, combined with the state-of-the-art V88 solar storage battery & connectors. Take it to the cabin, on your African mission, trekking in Nepal, or remote field study. Charges everything up to & including laptops. Includes FREE accessories.

Product Description

Lightweight, easy to pack, and simple to use. The Voltaic 17W Solar Charger Kit is the preferred solution for people wanting to have power at a remote cabin or campsite for cameras, laptops, phones, radios, and other small electronics. The Voltaic 17W Solar Kit combines a rugged, lightweight and waterproof 17W solar panel with a lightweight 88 Watt-Hour solar storage battery.

The Voltaic 17W Solar Charger Kit Includes...

- 17 Watt 18V Solar Panel

V88 Battery Pack (88WHr)

- AC, DC & USB-C input options - Standard laptop connectors - 2.1A USB port - 12V CLA output socket - 4' Solar panel extension cable - 4' Solar panel mounting straps

Applications and Charge times

With very few exceptions, we recommend charging laptops via a battery like the Voltaic V88, not directly from a solar panel. Hence, this 17W kit is an excellent compact portable power solution for outdoor & mobile offices.

SLR Cameras can be charged via 12V car charger cradles or universal camera chargers... plug them into the V72 battery pack for the best performance (faster than your AC charger in most cases).

Charging your devices via the V88 battery will ensure that they charge at least as quickly as they do from a wall outlet.

Charging The V88 Battery From Solar

The V88 holds 88Wh of energy, and so will take 7-9 hours of sunlight to fully charge from the 17W panel. Effectively a full day.

Can more 17W panels be added? Yes!

The V88 can handle 60W of input, or as many as 3 of the [17W panels](#)], or use the [ARC 20W](#)] panel. Use the [combiner cable](#)] to join modules (best to do the combining at the battery, not at the modules in order to minimize energy loss)

**For maximum power output, orient the panels towards the sun. When not angled

towards the sun, output will be reduced. Dirt and scratches on the face of the panels will reduce the amount of light hitting the solar cells. Clean the panels with a damp non-abrasive cloth. Charge times are estimated based on optimal conditions and may increase in cloudy weather, high temperatures, or when panels are not angled towards the sun.

17W Solar Panel Specifications - Peak Power: 17 W - Cell Type: Monocrystalline
- Cell Efficiency: 18% - Open Circuit Voltage: 20.0 V - Short Circuit
Current: 1054 mA - Peak Voltage*: 17.5 V - Peak Current*: 958 mA -
Substrate: 3mm Aluminum/Plastic - Connector: 3.5x1.1 mm plug - Mount: 8
stainless steel bolts - Dimensions: 393 x 274 x 6 mm (15.5 x 10.75 x 0.25") -
Weight: 710 g (25 oz)

*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.

Voltaic V88 Battery Specifications [V88 Laptop Solar Battery](#) with USB-C PD] -
Capacity: 24,000 mAh / 88.8 Watt Hours - Output: 5V/2A USB, 5V/3A USB-C,
and 12V/6A, 16V/5A, 19V/4.5A, 24V 3.5A - USB QC : 5V/3A, 3.6V-12V, 18W
Max. - USB-C PD : 5V/3A-20V/2.2A (15W-44W) - Input: 14-25V, 3A (75W) -
Battery Type: Li-Polymer - Protection: Short Circuit, Over Charge, Over
Discharge, Over Current, Over Temperature **Size and Weight** - 1.5 pounds
(702g) - 21.8cm x 13.7cm x 2.2cm **Charge Time** - 2.5-3 hours from included
AC charger **Battery Functions:** - DC Input to charge Voltaic battery - USB
Quick Charge Output - USB-C PD Output - DC Output 12-24V

Included in the battery kit...

[V88 Laptop Solar Battery](#)] - Car Charger Socket - (5.5 x 2.5mm) charges devices
that have a car charger - Standard Laptop Adapters (Optional adapters
available for purchase) - Laptop Output Cable - connects to Laptop Adapters -
AC Charger - charges V88 battery from AC [Read the application note regarding](#)

[USB-C laptop charging\]](#)

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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: 2.7 kg

Product Gallery



