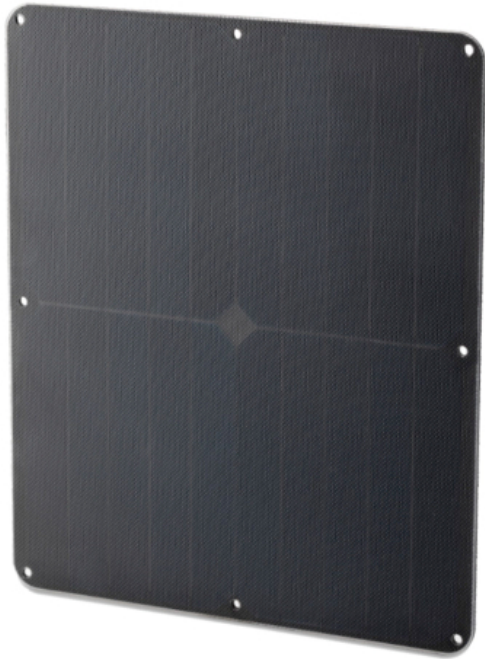# 10 Watt /6V Solar Panel (ETFE) by Voltaic (P110)

Price: CAD $124.00

SKU: VCSOLAR-10W-P110-ETFE

Product Categories: Crystalline, Folding Crystalline, Frameless Glass/Glass, Packable, Projects, Roof / Ground / Pole, Shop, Small Modules : 10W+, Solar Modules

Product Tags: 10w, 10w solar, 10W Solar Panel, canada, etfe, frameless, frameless solar, p110, remote, research, slim, small solar, sunpower, voltaic p110, voltaic p110 canada

Product Page:

https://www.modernoutpost.com/product/p110-10w-frameless-solar-module-by-voltaic/

Product Summary

Looking for an incredibly lightweight & low-profile solar charging solution? The P110

is a rugged, waterproof, lightweight 10 Watt, solar panel designed for portable applications and small remote power projects. At 6V output, it is tuned for charging USB battery systems such as the Voltaic [V75]] and [V50]] battery packs. It can also be combined in series to create a sleek 60W solar panel @ 18V which is suitable for any 12V battery system.

Product Description

Looking for an incredibly lightweight & low-profile solar charging solution? The P110 is a rugged, waterproof, lightweight 10 Watt, solar panel designed for portable applications and small remote power projects. At 6V output, it is tuned for charging USB battery systems such as the Voltaic [V70]] and [V50]] battery packs. It can also be combined in series to create a sleek 60W solar panel @ 18V which is suitable for any 12V battery system.

The P110 is easily mountable for long term outdoor applications such as remote data collection. Pair with a Voltaic battery pack or charge a 1S LiIon or LiFePO4 pack.

The P110 10W Solar Panel features...

- High-efficiency SunPower monocrystalline solar cells (20%) - Waterproof (IP67) - Durable and lightweight - UV- and scratch-resistant [ETFE] coating]
6 mounting holes ([mounting nuts are here]])

- 12" cable with optional waterproof extensions

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HOW TO USE THIS 10W 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. Standard barrel connectors are also available, including the common 5.5 x 2.5mm. 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...

You'll want to grab a couple of sets of the corner kits for ETFE panels - these utilize the corner & side holes on the module, and provide strapping locations.

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: 30 × 20 × 1 cm
- Weight: .2 kg

Product Gallery