

SmartSolar MPPT 100/15 by Victron



Price: CAD \$119.00

SKU: VESMARTSOLARMPPT-100/15

Product Categories: [MPPT : 10A-19A](#), [Charge Controllers](#), [Shop](#)

Product Tags: [canada](#), [charge controller](#), [controller](#), [MPPT](#), [smartsolar mppt](#), [smartsolar mppt 100/15](#), [smartsolar mppt 100/15 canada](#), [solar charge controller](#), [victron](#), [victron smartsolar](#)

Product Page:

<https://www.modernoutpost.com/product/smartsolar-mppt-100-15-solar-charge-controller/>

Product Summary

The Victron SmartSolar MPPT 100/15 Solar Charge Controller is part of Victron's advanced line of controllers. A solar charger gathers energy from your solar panels, and stores it in your batteries. Using the latest, fastest technology, SmartSolar maximizes this energy-harvest, driving it intelligently to achieve full charge in the shortest possible time. SmartSolar maintains battery health, extending its life.

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With processing power of 220W on a 12V battery platform, or 440W on a 24V platform, this controller is a great fit for cabins, van conversions, RVs, and boats. The 100V input range provides the latitude you want to string your solar modules as needed for your project, even in cold Canadian winters when solar module voltage rise can destroy ordinary controllers.

SmartSolar MPPT 100/15 Features

Ultra-fast Maximum Power Point Tracking (MPPT)

By constantly monitoring the voltage and current output of your solar (PV) panels, MPPT technology ensures that every drop of available power is rinsed out of your panels, and harvested for storage. The advantage of this is most noticeable when the sky is partially clouded, and light intensity is constantly changing

Advanced Maximum Power Point Detection in case of partial shading conditions Outstanding conversion efficiency Natural convection cooling Automatic battery voltage recognition Flexible charge algorithm Over temperature protection and power derating when temperature is high

Remote Monitoring and Control

Remotely control and monitor the extensive features of your SmartSolar MPPT charger with built-in bluetooth by pairing it with your smartphone or other device via VictronConnect. If your installation is connected to the internet Victron Remote Management Portal ([VRM](#)) provides access to the full power of your MPPT, anytime, anywhere; both services are free to use. For remote installations - even when there is no internet connection or phone signal nearby - you may be able to monitor your MPPT by bluetooth-pairing with a LoRaWAN(long-range wide area network) device, available optionally.

Load output

The intelligent Load output function prevents damage caused by running batteries 'flat'. You can configure the voltage at which SmartSolar disconnects a load - thereby preventing excessive drain on your batteries. And here's the clever bit: SmartSolar will attempt a 100% recharge every day. If it can't - during periods of poor weather - it raises the disconnect voltage, daily, until it achieves success. We call this feature BatteryLife because it maintains the health, and extends the life of your battery.

SmartSolar MPPT 100/15 Specifications

Battery voltage : 12/24V Auto Select

Rated charge current : 15A

Nominal PV power, 12V : 220W

Nominal PV power, 24V : 440W

PV short circuit current : 15A

Automatic load disconnect : Yes

Maximum PV open circuit voltage : 100V

Peak efficiency 98%

Self-consumption : 12V = 25 mA / 24V = 15 mA

[Download the full Spec Sheet here](#)]

Product Attributes

- Dimensions: 1 × 1 × 1 cm
- Weight: .9 kg