

SmartSolar MPPT 150/70 Tr by Victron



Price: CAD \$667.00

SKU: VESMARTSOLARMPPT-150/70TR

Product Categories: [Charge Controllers](#), [MPPT - Max Power Point Tracking](#), [MPPT : 60A-100A](#), [Shop](#)

Product Tags: [150/70](#), [150/70 Tr](#), [150V](#), [70a](#), [70A solar charge controller](#), [canada](#), [MPPT](#), [smart solar 150/70](#), [smartsolar](#), [smartsolar 150/70](#), [smartsolar mppt](#), [tr](#), [victron](#), [victron 70a](#), [victron canada](#), [victron mppt](#), [victron smart](#), [victron smartsolar](#)

Product Page:

<https://www.modernoutpost.com/product/smartsolar-mppt-150-70-by-victron/>

Product Summary

The SmartSolar MPPT 150/70 Solar Charge Controller by Victron is one of the best MPPT solar charge controllers on the market. SmartSolar controllers offer built-in Bluetooth connectivity, allowing you to program & monitor your system from your

smart phone. 70A of energy processing, and large input voltage range, allows for larger arrays with a single controller. Compact, highly efficient, and built tough for all environmental conditions.

Product Description

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SmartSolar MPPT 150/70 tr Features...

Bluetooth Smart is Built-In

The wireless solution to set-up, monitor, update and synchronize SmartSolar Charge Controllers.

Ultra-fast Maximum Power Point Tracking (MPPT)

Especially in case of a clouded sky, when light intensity is changing continuously, an ultra-fast MPPT controller will improve energy harvest by up to 30% compared to PWM charge controllers and by up to 10% compared to slower MPPT controllers.

Advanced Maximum Power Point Detection in case of partial shading conditions

If partial shading occurs, two or more maximum power points may be present on the power-voltage curve. Conventional MPPTs tend to lock to a local MPP, which may not be the optimum MPP. The innovative BlueSolar algorithm will always maximize energy harvest by locking to the optimum MPP.

Outstanding conversion efficiency

No cooling fan. Maximum efficiency exceeds 98%.

Flexible charge algorithm

Fully programmable charge algorithm (see the software page on our website), and eight pre-programmed algorithms, selectable with a rotary switch (see manual for

details).

Extensive electronic protection

Over-temperature protection and power derating when temperature is high. PV short circuit and PV reverse polarity protection. PV reverse current protection.

Internal temperature sensor

Compensates absorption and float charge voltage for temperature. Real-time data display options - Color Control GX or other GX devices: see the Venus documents on our website. - A smartphone or other Bluetooth-enabled device: VE.Direct Bluetooth Smart dongle needed.

VE.Direct Port

For a wired data connection to a Color Control GX, other GX products, PC or other devices

Remote On/Off

To connect for example to a VE.BUS BMS.

Programmable Relay

Can be programmed to trip on an alarm, or other events.

Optional Accessories

SmartSolar pluggable LCD display

Simply remove the rubber seal that protects the plug on the front of the controller, and plug-in the display.

Optional external battery voltage and temperature sensing via Bluetooth

A Smart Battery Sense or a BMV-712 Smart Battery Monitor can be used to communicate battery voltage and temperature to one or more SmartSolar Charge Controllers.

SmartSolar MPPT 150/70 tr Specifications

Battery voltage : 12 / 24 / 48V Auto Select (software tool needed to select 36V)

Rated charge current : 70A

Nominal PV power (@12V) : 1,000W

Nominal PV power (@24V) : 2,000W

Nominal PV power (@48V) : 4,000W

Self-consumption: <35 mA

PV terminals : 35 mm² / #2AWG (Tr model)

Battery terminals : 35 mm² / #2AWG

Protection category : IP43 (electronic components), IP22 (connection area)

Weight : 3kg

Dimensions (h x w x d) Tr model: 185 x 250 x 95mm

Certifications : EN/IEC 62109-1, UL 1741, CSA C22.2

SmartSolar MPPT 150/70 Tr Downloads

Download the Full Spec Sheet [Download the Victron Solar Controller Guide](#)]

Product Attributes

- Dimensions: 27 × 20 × 12 cm
- Weight: 3 kg