

## SmartSolar MPPT 75/10 : 10A Charge Controller by Victron



Price: CAD \$89.00

**SKU:** VESMARTSOLARMPPT-75/10

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

**Product Tags:** [10a](#), [10a mppt](#), [75/10](#), [75v](#), [canada](#), [charge controller](#), [MPPT](#), [smart solar 75/10](#), [smart solar mppt 75/10 canada](#), [smartsolar 75/10](#), [solar](#), [victron 75/10 canada](#), [victron canada](#)

**Product Page:**

<https://www.modernoutpost.com/product/smartsolar-mppt-75-10-10a-charge-controller-by-victron/>

### Product Summary

The Victron SmartSolar MPPT 75/10 is an ideal solution for single solar module systems of 150W to 200 Watts on boats, vans, RVs, and cabins. This 10A MPPT charge controller is Bluetooth enabled so you can monitor your system performance on your smartphone.

### Product Description

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SmartSolar MPPT 75/10 Features...

- Very rapid MPPT tracking - Integrated Bluetooth - Battery Life function - Remote control : VictronConnect application - Programmable charging algorithm - Charging in 3 stages : Bulk - Absorption - Float - Internal temperature sensor - External temperature and voltage sensor (optional) - Fully discharged batteries recovery

MPPT (Maximum Power Point Tracking) solar chargers are connected between the photovoltaic modules and the batteries. Its main function is to get as much energy out of the modules as possible.

The SmartSolar MPPT has a very fast control of the maximum power point. It adapts when the sunlight of the panel varies a lot (cloudy day), allowing up to 10% more energy to be recovered than a standard MPPT and up to 30% more energy than a PWM.

The device is equipped with the Bluetooth function to drive, control and update the system from a smartphone. The device can also be connected directly to a Color Control GX, PC or other Victron monitoring devices.

This model is equipped with a battery safety feature to protect the battery from being over-discharged. There is also short-circuiting protection.

The Battery Life algorithm controls the state of charge of the battery. This intelligent management controls the energy absorbed by the load. This improves battery life by recharging the battery to 100% capacity at least once a week.

The charger is equipped with a temperature sensor to compensate the charging voltage according to its temperature.

MPPT Means Faster Charging

Consider a 200W solar panel operating at 20V. The charging current associated with this will be 10A. A typical low-cost PWM charge controller will adjust the charging voltage according to the battery state-of-charge, and will let through

some percentage of the 10A.

In contrast, an MPPT controller will maximize the incoming power from the solar to maximize the charging amps. So this same solar panel will provide 14A to the batteries when charging at 14V.

SmartSolar 75/10 Specifications

Part Number : SCC075010060R

Battery Voltage : 12/24 (auto select)

Rated Charge Current : 10A

Nominal PV Power : 145W @ 12V, 290W @ 24V

Auto Load Disconnect : Yes

Max PV Open Circuit Voltage : 75V

Peak Efficiency : 98%

Dimensions : 113 x 100 x 40mm (4.44 x 3.94 x 1.57")

Weight : 500g (17.6oz)

[Download the Full Spec Sheet](#)] [Download the Manual](#)]

## Product Attributes

- Dimensions: 1 &times; 1 &times; 1 cm
- Weight: .9 kg