

SunSaver MPPT 15L



Price: CAD \$359.00

SKU: MSSUNSAVER-MPPT

Product Categories: [Charge Controllers](#), [MPPT >40A](#), [Supply](#)

Product Tags: [canada](#), [charge](#), [controller](#), [maximum](#), [morningstar](#), [MPPT](#), [Power](#), [regulator](#), [solar](#), [solar charge controller](#), [SS-MPPT-15L](#), [SunSaver](#), [sunsaver 15l](#), [sunsaver mppt](#), [sunsaver mppt 15l](#), [tracking](#)

Product Page: <https://www.modernoutpost.com/product/sunsaver-mppt-15l/>

Product Summary

Morningstar's SunSaver MPPT solar charge controller provides advanced performance & maximum solar panel performance for small off-grid PV systems.

Product Description

Morningstar's SunSaver MPPT™ solar controller with TrakStar™ Technology is an advanced maximum power point tracking (MPPT) battery charger for small off-grid PV systems. Maximum Power Point Tracking permits maximum charging current to be taken from solar panels by managing the operating voltage of the modules.

This is one of the smallest MPPT solar charge controllers available on the market, providing 15A of solar panel support : 200Wp in 12V systems or 400Wp in 24V systems.

The SunSaver MPPT is well suited for both professional and small residential PV applications including automatic lighting control. Its charging process has been optimized for long battery life and improved system performance. This product is epoxy encapsulated for environmental protection, may be adjusted by the user via four settings switches or connection to a personal computer, and has an optional remote meter and battery temperature sensor.

Key Features and Benefits... - Lower cost - Includes load control - Maximizes energy harvest - Provides power boost - Use of high voltage modules - Fully adjustable and programmable - Extensive electronic protections - Longer battery life - More system information - Data logging - Converts 36v or 24v pv arrays - Up to four programmable timer sequences for pv lighting applications

Technical Specifications...

Electrical

- Peak Efficiency : 97.5% - Nominal Battery Voltage : 12 or 24 volts - Max. Battery Current : 15 amps - Battery Voltage Range : 7-36 volts - Max. PV Open Circuit Voltage : 75 volts

Nominal Max. PV Input

- 12 volt battery : 200 Watts - 24 volt battery : 400 Watts - Output Rating : 15 amps load control - Self Consumption : 35 milliamps - Transient Surge Protection : 4 x 1500 Watts

Environmental

- Operating Temperature : -40°C to +60°C - Storage Temperature : -55°C to +100°C - Humidity : 100% non-condensing - Tropicalization : Epoxy encapsulation Conformal coating Marine rated terminals

Electronic Protections

- PV: Overload, Short Circuit, High Voltage - Load: Overload, Short Circuit - Reverse Polarity: Battery, PV and Load - Lightning and Transient Surges - High Temperature - Reverse Current at Night

Battery Charging

- Battery Types : Gel, Sealed, AGM, Flooded - 4 Stage Charging : Bulk, absorption, float, equalize (optional)

Temperature Compensation

- Coefficient : $-5\text{mV}/^{\circ}\text{C}$ / cell (25°C ref) - Range : -30°C to $+60^{\circ}\text{C}$ - Set points : Absorption, float, equalize

Mechanical

- Dimensions : 16.9 x 6.4 x 7.3 cm (6.6 x 2.5 x 2.9 inch) - Weight : 0.60 kg / 1.3 lbs - Power Terminal : 16 mm² / #6 AWG - Enclosure : Die cast aluminum with plastic cover

Warranty

- 5-Years

Product Attributes

- Dimensions: N/A
- Weight: 0.8 kg

Product Gallery

