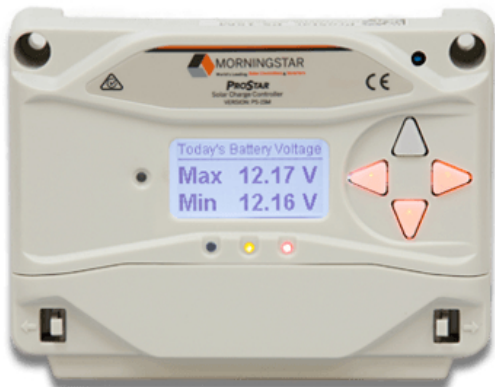# ProStar 15 Solar Charge Controller PWM (Gen 3)

Price: CAD $189.00 - CAD $275.00

SKU: MSPROSTAR15-GEN3

Product Categories: PWM : 10A-19A, Charge Controllers, Shop

Product Tags: 15 amp, 15A, canada, charge, charger, controller, gen 3, Gen3, meter, morningstar, morningstar prostar, morningstar prostar 15 canada, prostar, ProStar 15, prostar 15 canada, prostar 15m, ps-15, ps-15m, ps15, ps15m, pwm, regulator, solar, solar charge controller

Product Page:

https://www.modernoutpost.com/product/prostar-15-solar-charge-controller-gen-3/

Product Variants

    - ProStar 15 Solar Charge Controller PWM (Gen 3) - PS-15 ()

    - ProStar 15 Solar Charge Controller PWM (Gen 3) - PS-15M ()

Product Summary

The Morningstar ProStar 15 gen3 is the third generation model offering additional features and capabilities while maintaining the same form factor, quality, and reliability that has made the ProStar the world's leading mid-range PWM solar controller for professional and consumer applications since 1995. Meter LCD display, or standard display models are available.

Product Description

The Morningstar ProStar 15 gen3 is the new third generation model offering additional features and capabilities while maintaining the same form factor, quality, and reliability that has made the ProStar the world's leading mid-range PWM solar controller for professional and consumer applications since 1995.
The ProStar 15 provides 3-stage charging, plus equalization mode, to provide increased battery capacity and life. Simple to install, and simple to use, with an exceptionally long service life.
Choose from a meter display model, or the standard display model.
Model Numbers
PS-15, PS-15M
ProStar 15 Key Features and Benefits...

- Estimated 15 year life - Compliance with IEC 62109 - PWM series battery charging (not shunt) - 8 dip switches to adjust battery charging and other settings - High resolution graphical meter to adjust settings and display logged data - RJ-11 MeterBus port for serial MODBUS data or to add a remote meter Compatible with Morningstar's Ethernet MeterBus Converter (<u>EMC-1</u>])

- Up to 256 days of data logging - Dusk-to-dawn and advanced programmable lighting control - Protective terminal cover - Enhanced surge rating for heavy DC loads - Self-diagnostics - Slow switching mode to eliminate system noise at telecom sites - Parallel for up to 300 amps - Temperature compensated charging - Tropicalization - No switching or measurement in the grounded leg -

100% solid state - Very low voltage drops - Current compensated low voltage disconnect (LVD) - LED's to indicate battery status and faults - Capable of 25% overloads - Remote battery voltage sense terminals

ProStar Electronic Protections:

- Solar Input: overload, short-circuit, high voltage, reverse polarity, high temperature, nighttime reverse current - Load Output: overload, short-circuit, high temperature, reverse polarity - Battery: reverse polarity (no battery removal)

MorningStar ProStar Specifications...

Electrical - Nominal Battery Voltage: 12V or 24V - Battery Voltage Range: 10-35V - Voltage Accuracy: <= 0.1% +/- 50mV - Maximum Battery Current: 15A or 30A - Maximum Solar Input Voltage (12V/24V bat): 60Voc - Load Current Rating: 15A or 30A - Self-Consumption: 20 mA* - LED Indications: (1) status, (3) Battery state of charge - Transient Surge Protection: 1500 Watts (solar, battery, load)

Battery Charging - Battery Types: 7 Standard Battery Settings + Custom - 4-Stage Charging: Bulk, Absorption, Float, Equalize - Temperature Compensation - Coefficient: -5 mV / °C / cell (25°C ref) - Range: -30°C to + 60°C - Set Points: Absorption, Float, Equalize **Environmental** - Operating Temperature: -40°C to + 60°C - Meter Operating Temperature: -20°C to + 60°C - Storage Temperature: -40°C to + 80°C - Humidity: 100% non-condensing - Tropicalization: conformal coating, marine-rated terminals

Load & Lighting Control - Low Voltage Disconnect, Low Voltage Reconnect Settings: 11.4 V / 12.6 V or Custom (x2 for 24 volt systems) • Lighting Settings: Dusk to Dawn or Custom • LVD Current Compensation: -20 mV per Amp @ 12 Volts / -40 mV per Amp @ 24 Volts • LVD Warning Timer: 10 minutes • Lighting Test Timer: 5 minutes **Mechanical** - Dimensions: 15.3(W) x 10.5(L) x 5.5(D) cm 6.0(W) x 4.1(L) x 2.2(D) in - Weight: 0.4 kg / 1.0 lbs

Wire Size Range:

Power Terminals: 2.5 - 16 mm2 / 14 - 6 AWG

Battery/Temp. Sense: 0.25 - 1.0 mm2 / 24 - 16 AWG

   - Enclosure: IP20, Type 1 **Certifications** - CE; RoHS; ETL Listed: UL62109/CSA.107.1; IEC 62109; FCC Part-15 class B compliant - Manufactured in a certified ISO 9001 facility

Warranty

5 years

Download the full Spec Sheet here] **Want Ethernet/Web-based monitoring of your Prostar?**

Use the EMC-1 Modbus converter - Click here]

Product Attributes

   - Dimensions: 1 × 1 × 1 cm
   - Weight: 0.7 kg
   - Model: PS-15, PS-15M