

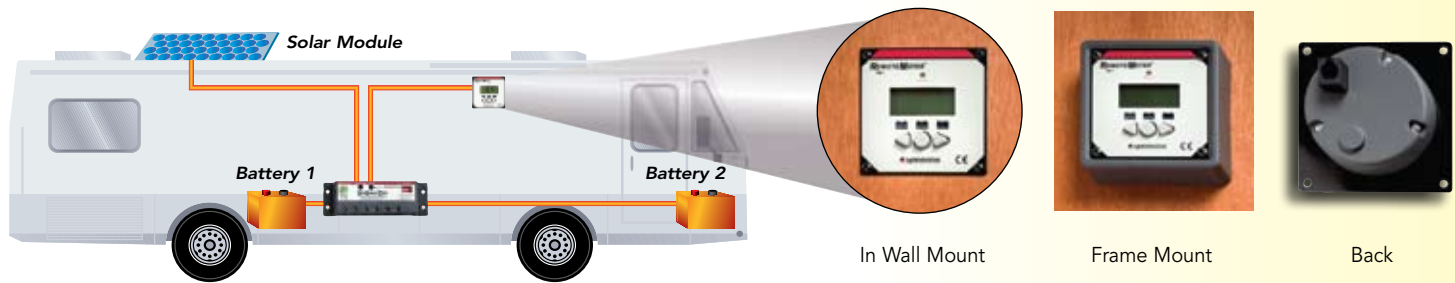
SUNSAVER

**TWO BATTERY SOLAR CO
WITH REMOTE METER**

Morningstar's **SunSaver Duo** is
battery controller for RV's, c
This product will charge
battery, based on "

The Sun C

SUNSAVER DUO™ SOLAR CONTROLLER



TECHNICAL SPECIFICATIONS

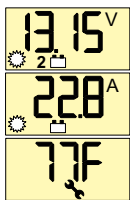
Electrical

- **Rated Solar Input** 25 amps
- **Rated Load Output** Not applicable
- **Battery Voltage** 12 volts
- **Min. Battery Voltage** 1 volt
- **Max. Battery Voltage** 15 volts
- **Max. Solar Voltage** 30 volts
- **Self Consumption**
 - Controller 6 to 10 milliamps
 - Remote meter 6 to 15 milliamps

Environmental

- **Operating Ambient Temperature**
 - Controller -40°C to +45°C / -40°F to +113°F
 - Meter -20°C to +60°C / -4°F to +140°F
- **Humidity** 100% non-condensing
- **Tropicalization**
 - Controller Epoxy encapsulation
Anodized aluminum case
Corrosion resistant terminals
 - Meter Conformal coated printed circuit board

Meter Displays



- **Backlighting** Push button activated
- **LED's** Charging status
Errors
Battery level
- **Displays** Battery #1 & #2 voltage
Battery charge priority
Minimum / maximum voltages
Solar charging amps / amp-hours
Temperature
Errors

Electronic Protections

- Solar Short Circuit
- Solar Over Current
- Reverse Polarity
- High Temperature
- Lightning
- Reverse Current at Night

Battery Charging

- **Regulation Voltage**
 - Sealed Battery 14.1 volts (at 25°C, 77°F)
 - Flooded Battery 14.4 volts (at 25°C, 77°F)
- **Float Voltage** 13.7 volts
- **Equalization Voltage*** 14.8 volts
- **Temp. Compensation** -30 millivolts per °C (25°C reference)
- **Type of Charging** Series PWM
4 stage: bulk, PWM, float, and equalize*
**used on flooded battery only*
- **Battery Charging Priority**
 - 90% / 10%
 - 50% / 50%
 - Customize via PC connection

Mechanical

- **Controller** 17.0 x 5.6 x 4.1 cm / 6.7 x 2.2 x 1.6 in.
- **Meter** 9.7 x 9.7 x 3.1 cm / 3.8 x 3.8 x 1.2 in.
- **Meter back** 7.4 cm / 2.9 in. diameter
2.8 cm / 1.1 in. deep
Fits 7.6 cm / 3 in. round hole
- **Weight**
 - Controller 260 g / 0.57 lb
 - Meter 135 g / 0.30 lb
- **Largest wire** 16 mm² (#6 AWG)
- **Meter wire** 10 m / 33 ft

Options

- **Remote Temperature Sensor** — Measures temperature at battery for improved battery charging

Certifications

- CE Compliant
- Manufactured in a certified ISO 9001 facility

WARRANTY: Five year warranty period. Contact Morningstar or your authorized distributor for complete terms.

AUTHORIZED MORNINGSTAR DISTRIBUTOR:



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