

RCC2430REGO

Description

REGO 12V/24V 30A MPPT charge controller delivers high-efficiency solar charging for 12V and 24V battery systems.

Compatible with AGM, Flooded, Gel, and Lithium batteries, it supports Bluetooth and RV-C wired connectivity for real-time system monitoring, data access, and easy settings configuration.

Featuring an IP43 protection rating and comprehensive electronic protections, the controller is built for compact installs and reliable operation across a wide temperature range, whether it's mounted in a crowded RV electrical bay, a marine compartment with moisture and salt air, or an off-grid enclosure exposed to dust and vibration.

Key Features

■ High-Efficiency MPPT Charging

Maximizes energy conversion for 12V and 24V battery systems.

■ Bluetooth & RV-C Monitoring

Supports Bluetooth and RV-C wired connection to manage power and ensure reliable performance.

■ Wide Operating Temperature

Designed for -22°F to 149°F / -30°C to 65°C, supporting full-load operation up to 113°F / 45°C.

■ Broad Battery Compatibility

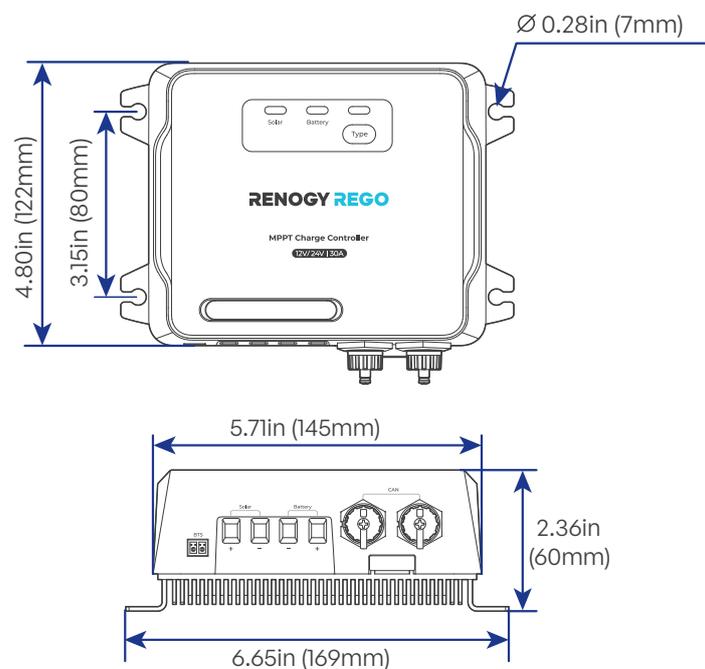
Works with AGM, Flooded, Gel, and Lithium batteries.

■ Compact & Durable Design with Protections

Includes safeguards against overcharge, overcurrent, short circuit, and overtemperature, suitable for RVs, vans, boats, and off-grid installations.



Product Dimensions



Recommended Accessories



Renogy One Core (RSHGWSN-WO2W)

An all-in-one solution for local/remote energy monitoring and analysis.

Technical Specifications

Electrical Specifications

| Model | RCC2430REGO |
|---------------------------------|--|
| Nominal System Voltage | 12/24V |
| Output Current | 30A |
| Maximum Solar Input Voltage | 100VDC |
| Supported Battery Type | SLD, AGM, GEL, FLD, LI, and USER |
| Max Solar Output Power | 450W (12V Battery); 900W (24V Battery) |
| Battery Operating Voltage Range | 8V-32V |
| Minimum Solar Input Voltage | 15V |
| Maximum Solar Input Current | 30A |
| MPPT Tracking Efficiency | >99% |
| Charge Conversion Efficiency | >97% |
| Temperature Compensation | -3mV / °C / 2V |
| Self Consumption | 80mA |

Mechanical Specifications

| | |
|---------------------------|---|
| Grounding | Common Negative |
| Max Terminal Size | 8AWG |
| Operating Temperature | -22°F to 176°F / -30°C to 80°C |
| Storage Temperature | -31°F to 176°F / -35°C to 80°C |
| Operating Humidity | 0% to 95% RH, No Condensation |
| Bluetooth Signal Strength | <5m with Blocks; <20m without Blocks |
| IP Rating | IP43 |
| Communication | RV-C & Bluetooth |
| Cooling | Natural Cooling |
| Operating Altitude | ≤3,000m |
| Dimensions (LxWxH) | 6.65 x 4.80 x 2.36in / 169 x 122 x 60mm |
| Weight | 2.69 lbs / 1.22kg |
| Certifications | CE, R10, FCC, RCM |
| Warranty | 5-Year |

Package Contents

| | |
|----------------------------|----------|
| Battery Temperature Sensor | Yes (x1) |
| Mounting Screws | Yes (x4) |
| Quick Guide | Yes (x1) |

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