



# ROVER 60A MPPT CHARGE CONTROLLER



## RENOGY **ROVER 60A MPPT CHARGE CONTROLLER**

The Renogy 60A Rover MPPT Charge Controller is an intelligent negative ground controller. Built with protections against reverse polarity, short-circuiting, overheating, and more, this MPPT controller is also capable of self-diagnosing itself in the event of an error. Its durable shell protects against general wear and tear, and aluminum heat sink allows for heat dissipation. The Rover 60A can automatically detect 12V/24V/36V/48V systems and can handle various battery options such as GEL and Lithium. Pair this charge controller with the Renogy BT-1 and unlock monitoring features on the Renogy BT-1 APP OR pair it with a RENOGY BT-2 and view your system's performance in real time via the Renogy DC Home App.

### KEY FEATURES

- Automatically detects 12V/24V/36V/48V DC system voltages; Deep Cycle Sealed, Gel, Flooded, and Lithium option ready.
- Innovative MPPT technology with high tracking efficiency up to 99% and peak conversion efficiency of 98%.
- Electronic protection against reverse polarity, overcharging, over-discharging, overload, short-circuiting, and reverse current.
- LCD screen with multiple LED indicators for displaying system operation information, customizable parameters, and error codes.
- Features diverse load control; also capable of charging over-discharged lithium batteries.
- ETL Listed to UL1741 and CSA C22.2.
- Unlock Monitoring features through the new Renogy BT-1 or BT-2 modules via communication ports

## INCLUDED COMPONENTS

### Temperature Sensor Mounting Brackets



## OPTIONAL COMPONENTS

### NEW BT-1 Bluetooth Module (RCM-BT1)

The new BT-1 will connect to the RS232 port on the controller and unlock monitoring features through Renogy's BT App.



### BT-2 Bluetooth Module

The new BT-2 will connect to the RS485 port on the controller and unlock monitoring features through Renogy's DC Home App.



### DM-1 Data Module

The DM-1 4G Module is capable of connecting through an RS232, and is used to pair charge controllers with Renogy 4G monitoring app.



## PARAMETERS

Nominal System Voltage	12V/24V/36V/48V Auto Recognition
Rated Charge Current	60A
Rated Load Current	20A
Battery Voltage	9V-70V
Max. PV Input Voltage	150 VDC (25°C), 145VDC (-25°C)
Self-Consumption	0.7W-1.2W
Temperature Compensation	-3mV/°C/2V
Dimensions	285 x 205 x 102mm (11.2 x 8.1 x 4.0 in)
Max Terminal Size	25mm <sup>2</sup> 4 AWG
Net Weight	3.6 kg; 7.9 lbs.
Working Temperature	-35°C to +45°C
Humidity Range	≤ 95% (NC)
Enclose	IP32
Altitude	<3000m
Communication	RS232; RS485
Certification	FCC Part 15 Class B, CE, RoHS, ETL Listed to UL1741 and CSA C22.2