



60A ROVER 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 Renogy BT app to view your system's performance in real time and make parameter changes straight from your smart device.

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.

INCLUDED COMPONENTS

TEMPERATURE SENSOR MOUNTING BRACKETS



OPTIONAL COMPONENTS

BT-1 BLUETOOTH MODULE

The BT-1 is used to pair charge controllers with Renogy's remote monitoring APP (Renogy BT)



DM-1 4G DATA MODULE

The DM-1 4G Module is capable of connecting to select Renogy charge controllers 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 4.0in)
Max Terminal Size	25mm ² 4 AWG
Net Weight	3.6 kg; 7.9 lbs.
Working Temperature	-35°C to +45°C
Humidity Range	≤ 95% (NC)
Enclosure	IP32
Altitude	<3000m
Communication	RS232; RS485
Certification	FCC Part 15 Class B, CE, RoHS, ETL Listed to UL1741 and CSA C22.2