

Description

REGO 60A MPPT Solar Charge Controller is designed for simplified installation and full-system protection in 12V off-grid solar systems. Plug-and-play Anderson terminals reduce wiring time compared with traditional screw-terminal controllers. The integrated battery protect helps prevent battery cell damage, overcharging, and abnormal battery conditions, reducing the risk of battery failure.

With up to 99% MPPT tracking accuracy, REGO 60A improves energy capture under changing solar conditions. Built-in Bluetooth supports system monitoring and parameter adjustment through the Renogy DC Home App.



Key Features

■ High-Efficiency MPPT Charging

Up to 99% MPPT tracking accuracy and 98% conversion efficiency for stable and maximum energy harvest under changing solar conditions.

■ Fast Plug-and-Play Installation

Anderson terminals simplify wiring compared with screw-terminal designs, reducing installation time and supporting cleaner system integration.

■ Wide Battery Compatibility

Compatible with AGM, SLD, Flooded, Gel, and Lithium batteries, allowing flexible system configuration across different applications.

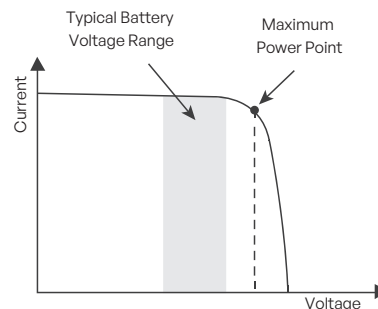
■ Comprehensive System Protection

System-level protection for batteries and PV inputs, covering overcharge, over-discharge, reverse polarity, open circuit, overvoltage, short circuit, and nighttime reverse current protection, designed to safeguard long-term reliability.

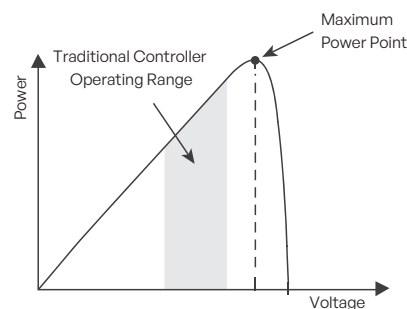
■ Remote Monitoring Capability

Supports wireless monitoring and parameter adjustment via Renogy DC Home App with an optional BT-2 Bluetooth module.

Maximum Power Point Tracking



Current-Voltage (I-V) Curve



Power-Voltage (P-V) Curve

Technical Specifications

Electrical Specifications

Model	RCC60REGO
Nominal System Voltage	12V
Output Current	60A
Max Solar Input Voltage	100VDC
Battery Type	Sealed (AGM), Gel, Flooded, Lithium
Max. Solar Output Power	800W
MPPT Tracking Efficiency	≥99%
Charge Conversion Efficiency	≥95%
Self Consumption	0.5W
Temperature Compensation	-3mV / °C / 2V
Max Terminal Size	4 AWG (Max)
Dimensions	9.45 x 6.3 x 4.72in 240 x 160 x 120mm
Net Weight	6.6 lbs / 3.0kg
Operating Temperature	-4°F to 140°F / -20°C to 60°C
Storage Temperature	-13°F to 149°F / -25°C to 65°C
Humidity Range	≤95% RH (Non-Condensing)
Enclosure	IP32
Altitude	<3,000m
Communication	Built-in Bluetooth, RV-C
Certification	CE, R10, UL

Package Contents

Package Contents	Solar Charge Controller x1 Quick Guide x1 Renogy Temperature Sensor x1 A Pair of MC4 to Anderson Lines x1 Installation Screw x4 Warranty Card x1
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Optional Component

Package Contents	Battery Fuse(80A) Solar Panel Fuse Fuse Cable Battery Voltage Sensor (Model: RVSCC)
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*All specifications and data described in this data sheet are tested under Standard Test Conditions (STC - Irradiance: 1,000W/m², Temperature: 25 °C, Air Mass: 1.5) and may deviate marginally from actual values.

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