

# REGO 60A MPPT SOLAR CHARGE CONTROLLER

The REGO 12V 60A MPPT Solar Charge Controller provides easy set-up and next-level protection for your solar power system. Plug-and-play Anderson terminals make secure and reliable connections to your REGO system easy. The integrated BPU (Battery Protect Unit) technology achieves the highest protection against battery cell damage and battery failure, safeguarding the entire system. Ultra-fast MPPT technology delivers high tracking efficiency of up to 99%. This maximizes the power generated by solar panels to provide more efficient power for your system. The sleek and compact design has a smaller footprint than other MPPT controller allowing for more space for the things you want.



## Key Feature

- Ultra Fast Maximum Power Point Tracking
- Easy battery type selection and setting
- Comprehensive Protections for Whole System (BPU)
- No more complex wiring required with Plug-in-play hookups
- Monitor and customize setting from your smart phone using the Renogy DC Home app

## Product Specification

### GENERAL DATA

Model	RCC60REGO
Terminal Size	Anderson PP75
Terminal Range	8AWG - 6AWG
Grounding	Common Negative
Communication Protocol	CAN Bus
Operating Temperature Range	-4 °F ~ 140 °F / -20 °C ~ 60 °C
Storage Temperature Range	-13 °F ~ 149 °F / -25 °C ~ 65 °C
Humidity	0%~90% RH
Maximum Operating Altitude	NA
Cooling	Heat Sink
Enclosure Rating	NA
Dimensions (LxWxH)	9.43 x 7.36 x 4.28 inch / 239.4 x 187 x 108.8 mm
Weight	4.7 lbs/ 2.7kg
Regulatory and Safety Specifications	NA

## CHARGER DATA

Rated Battery Input Voltage	12VDC
Battery Input Voltage Range	10VDC~16VDC
Rated Charge Current	60A
Rated Solar Input Power	800W (12V Battery)
Maximum Solar Input Power	NA
Maximum Solar Input Voltage (Voc)	100VDC
Solar Input Voltage Range (Voc)	15VDC~100VDC
Maximum Solar Input Current (Isc)	50A
Power Consumption	≤0.5 W
MPPT Tracking Efficiency	>99%
Conversion Efficiency	≤98%
Charger Efficiency	>95%
MPPT Operating Voltage Range	15VDC~100VDC
Temperature Compensation	-3mV / °C / 2V (Non-Lithium) 0mV / °C / 2V; no compensation (Lithium)
Charger Algorithm	3-stage Lead Acid, Bulk, Boost, Float, Equalize 2-Stage Lithium, Bulk, Boost
Charger Preset	AGM, Gel, Flooded, Lithium-iron Phosphate, User Custom

## BATTERY CHARGING DATA

Battery TYPE	AGM/SLD	GEL	FLD	LI	USER
OverVolts Shutdown	16.0V	16.0V	16.0V	16.0V	16.0V
OverVolts Reconnect	15.0V	15.0V	15.0V	15.0V	15.0V
Equalization Voltage	--	--	14.8V	--	14.8V
Boost Voltage	14.6V	14.2V	14.6V	14.4V	14.2V
Float Voltage	13.8V	13.8V	13.8V	--	13.8V
Boost Return Voltage	13.2V	13.2V	13.2V	13.6V	13.2V
Low Voltage Reconnect	12.6V	12.6V	12.6V	12.8V	12.6V
Under Voltage Warning	12.0V	12.0V	12.0V	12.2V	12.0V
Low Voltage Disconnect	11.1V	11.1V	11.1V	12V	11.1V
Boost Duration	120min	120min	120min	--	120min
Equalization Duration	--	--	120min	--	120min

## Compatible Accessories

Sensors	Battery Temperature Sensor (Model: RTSCC) Battery Voltage Sensor (Model: RVSCC)
---------	--