



# 10A WANDERER PWM CHARGE CONTROLLER



## RENOGY 10A WANDERER PWM CHARGE CONTROLLER

The Renogy 10A Wanderer solar charge controller integrates efficient PWM charging to increase battery life and improve system performance. With a simple interface for ease of use, this controller comes equipped with fully comprehensive self-diagnostics and electronic protection functions to prevent damage from installation mistakes or system faults. Designed for off-grid solar applications, this advanced charge controller is compatible with various types of 12V/24V batteries, including Lithium! Users can also monitor and adjust their solar system remotely using the BT-1 module and smartphone app.

### KEY FEATURES

- Optimized for 12V/24V systems; Deep Cycle Sealed, Gel, Flooded and Lithium battery options.
- Smart 4-Stage PWM charging (Bulk, Boost, Float and Equalization).
- Electronic Protections: Overcharging, Over-Discharging, Overload and short circuit.
- Integrated RS232 port allows communication with BT-1 Bluetooth module and usage of Renogy BT smartphone app.
- Backlit LCD screen displays system operation, diverse load control, and error codes.

## OPTIONAL COMPONENTS

### BT-1 BLUETOOTH MODULE (RCM-BT1)

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



## PARAMETERS

Nominal System Voltage	12/24VDC
Rated Charge Current	10A
Max. PV Input Voltage	50VDC
Battery Type	Sealed (AGM), Gel, Flooded and Lithium (LFP)
Self-Consumption	<10mA
Temperature Compensation	-3mV/°C/2V
Dimensions	4.7 x 3.0 x 1.1 in / 119x75x27.5mm
Max Terminal Size	12AWG
Net Weight	0.27 lbs / 122.47g
Working Temperature	-31°F - 113°F / -35 °C - 45 °C
Encloser	IP20
Communication	RS232
Certification	FCC, CE, RoHS