



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