

### AMAZON TEST REPORT


Product :Renogy Rover 30A 12V/24V Auto DC Input MPPT Solar Charge Controller Parameter Adjustable LCD Display Solar Panel Regulator fit for Gel Sealed Flooded and Lithium Battery, Rover 30A


ASIN :B07DNVW37B

UPC :816360027492

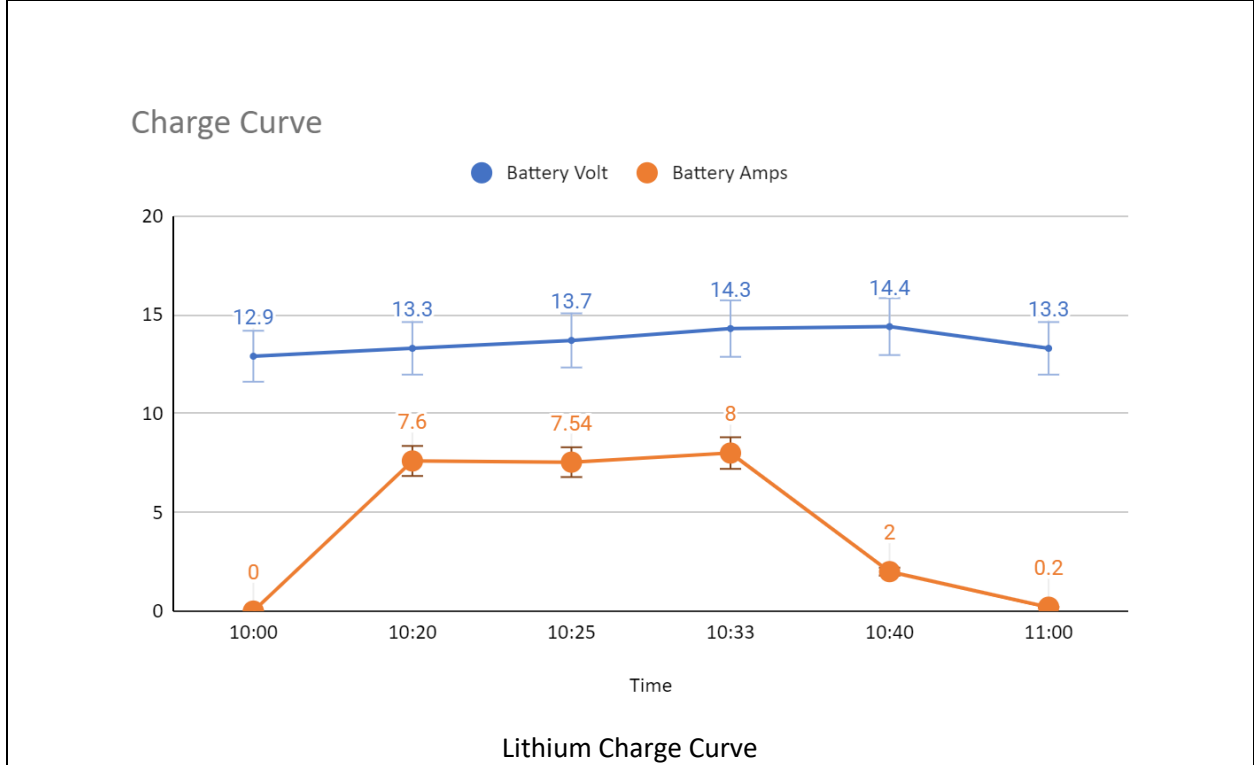
Model # : fit for Gel Sealed Flooded and Lithium

Website Link : <https://www.amazon.com/dp/B07DNVW37B?th=1>

Visual Inspection			
Button Check	P		
Controller Terminal Hatch	P		
Responsiveness	P		
Terminal stability	P		
Comments	Auto detect voltage works fine 12V and 24V; EXCEPT LITHIUM; Normal.		
Error Code Check		Spec	Test Result
PV Overvoltage (E10)	P	100vdc	100.5vdc
Battery over-discharged (E1)	P	10.5vdc	10.5vdc
Battery Undervoltage (E3)	P	10.9vdc	10.95vdc
PV overcurrent (E8)	P	30A	31A
Boost Charging Voltages			
Li	P	14.4v	14.3v
FLD	P	14.6v	14.5v
SLD	P	14.4v	14.3v
GEL	P	14.2v	14.1v
User	LI Programming works for 12.6-14.4V	P	P
Comments	Programming on LFP mode works for all voltages		

Reactivation	P	Tested with New Smart LFP battery with manual shutoff activation. Acr code observed.
Operation	P	
	Comments:	 <p>Screen arrows cycle through charging Can change battery type units Up/down cycle through menu</p>

Charge Curve	P	
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Customer Comments		
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**The product is so much bigger than we expected. It does not fit in our camper. It is too large and too heavy and require 3 inches of clearance on either end which was not clear in the description**

Product Listed Dimensions 8.27 x 5.94 x 2.34 in

**Actual Dimensions 9.38\*6.78\*3.05in**

**Does not work with the 12v panels, no power being generated.**

Panel Voltage input is up to 100V and can charge a 12V Battery no problem.

**Item not compatible product has crack in it  
The front display is scratch badly**

Compatible with what? The front display comes equipped with a screen protector that needs to be peeled.

**I cannot see the battery types. The selections are so small that at my age, 75 yrs, I cannot read such small print.**

The manual shows the battery type and their positions.

**Battery ground will not tighten up.**

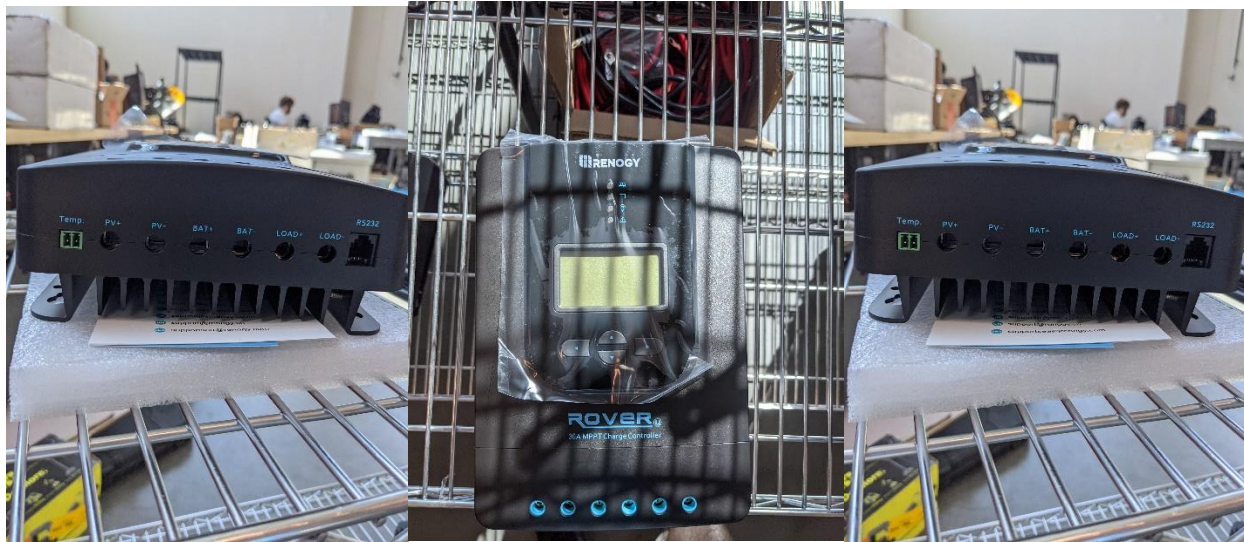
**Issue: item does not work**

**Item not compatible**

Correct use requires the terminal hatch to open all the way first by using counterclockwise motion, then insert wire into hatch, then close hatch by rotating terminal in clockwise rotation.

### **Conclusion:**

The Rover 30 LI behaves normally without any sign of error in the software. The product can change the battery type and engage battery charging (for lithium) successfully without error.



## Packaging Pictures

