



## Where to Buy

- Renogy Official Online Stores
- Renogy Certified Dealers: Locate your nearest dealer on our official website

### Official Stores

<https://eu.renogy.com>  
<https://uk.renogy.com>  
<https://de.renogy.com>

### Business Websites

<https://pro.renogy.com/eu>  
<https://pro.renogy.com/uk>  
<https://pro.renogy.com/de>

## Partner with Us

Become a Renogy dealer or distributor and gain access to our full range of Off-Grid power solutions. We also offer customized energy solutions tailored for RV manufacturers and the marine industry.

### RNG International Inc.

5050 S Archibald Ave,  
Ontario, California 91762  
[www.renogy.com](http://www.renogy.com)

### RNG Germany GmbH

Friedberger Landstrasse 434, 60389 Frankfurt, Germany  
Email us at [dealer.de@renogy.com](mailto:dealer.de@renogy.com) (Germany)  
[dealer.uk@renogy.com](mailto:dealer.uk@renogy.com) (UK) / [dealer.eu@renogy.com](mailto:dealer.eu@renogy.com) (Rest of Europe)

# Rover 2 Pro Compact MPPT Charge Controller with Bluetooth

Small in Size. Pro in Control.

# Save Space. Capture More Power.

### Up to 65% Smaller Than Previous Gen

Install more easily in RVs, vans, boats, cabins, and tight electrical compartments.



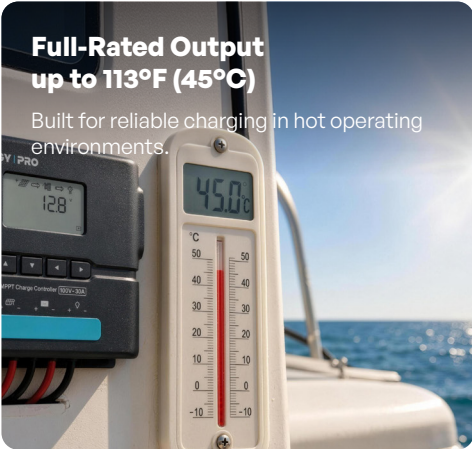
### Built-In LCD and Bluetooth

Monitor charging status on the screen or through the Renogy app, with no external Bluetooth dongle required.



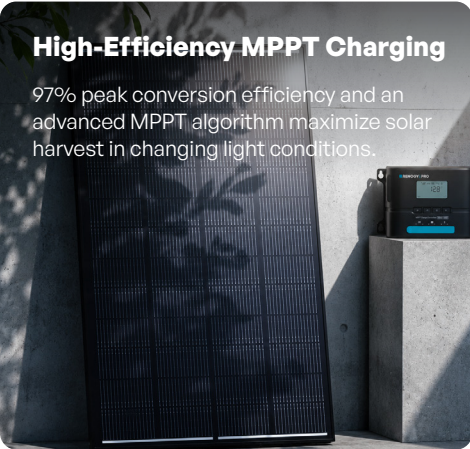
### Full-Rated Output up to 113°F (45°C)

Built for reliable charging in hot operating environments.



### High-Efficiency MPPT Charging

97% peak conversion efficiency and an advanced MPPT algorithm maximize solar harvest in changing light conditions.



### Parallel Expansion

Supports parallel expansion of up to 25 units with automatic load sharing.



## Applications Scenarios



| Electrical Data              |                                              |                                              |                                              |                                              |
|------------------------------|----------------------------------------------|----------------------------------------------|----------------------------------------------|----------------------------------------------|
| Model                        | RCC-M10020-B2-G1                             | RCC-M10030-B2-G1                             | RCC-M10040-B2-G1                             | RCC-M10050-B2-G1                             |
| Battery Type                 | Lithium, AGM, Gel, Flooded, and User Profile | Lithium, AGM, Gel, Flooded, and User Profile | Lithium, AGM, Gel, Flooded, and User Profile | Lithium, AGM, Gel, Flooded, and User Profile |
| System Voltage               | 12/24V                                       | 12/24V                                       | 12/24V                                       | 12/24V                                       |
| Rated Charge Current         | 20A                                          | 30A                                          | 40A                                          | 50A                                          |
| Input Voltage Range          | 15-100VDC                                    | 15-100VDC                                    | 15-100VDC                                    | 15-100VDC                                    |
| Max Solar Input Voltage      | 100VDC                                       | 100VDC                                       | 100VDC                                       | 100VDC                                       |
| Max Solar Input Power        | 12V/300W, 24V/600W                           | 12V/450W, 24V/900W                           | 12V/600W, 24V/1,200W                         | 12V/750W, 24V/1,500W                         |
| Max MPPT Tracking Efficiency | 99%                                          | 99%                                          | 99%                                          | 99%                                          |
| Max Conversion Efficiency    | 97%                                          | 97%                                          | 97%                                          | 97%                                          |
| Temperature Compensation     | -3mV/°C/2V                                   | -3mV/°C/2V                                   | -3mV/°C/2V                                   | -3mV/°C/2V                                   |
| Self Consumption             | ≤0.5W                                        | ≤0.5W                                        | ≤0.5W                                        | ≤0.5W                                        |

| General Data                |                                                                    |                                                                    |                                                                    |                                                                    |
|-----------------------------|--------------------------------------------------------------------|--------------------------------------------------------------------|--------------------------------------------------------------------|--------------------------------------------------------------------|
| Communication               | Built-In Bluetooth, RS485, RV-C                                    | Built-In Bluetooth, RS485, RV-C                                    | Built-In Bluetooth, RS485, RV-C                                    | Built-In Bluetooth, RS485, RV-C                                    |
| Operating Temperature Range | -30°C to 65°C                                                      | -30°C to 65°C                                                      | -30°C to 65°C                                                      | -30°C to 65°C                                                      |
| Storage Temperature Range   | -35°C to 75°C                                                      | -35°C to 75°C                                                      | -35°C to 75°C                                                      | -35°C to 75°C                                                      |
| Humidity Range              | 0-95% (NC)                                                         | 0-95% (NC)                                                         | 0-95% (NC)                                                         | 0-95% (NC)                                                         |
| Terminal Size               | 8 AWG                                                              | 8 AWG                                                              | 6 AWG                                                              | 6 AWG                                                              |
| Cooling                     | Natural Cooling                                                    | Natural Cooling                                                    | Natural Cooling                                                    | Natural Cooling                                                    |
| Ingress Protection          | IP32                                                               | IP32                                                               | IP32                                                               | IP32                                                               |
| Altitude                    | <3,000m                                                            | <3,000m                                                            | <3,000m                                                            | <3,000m                                                            |
| Dimensions                  | 6.38 x 4.25 x 2.24in / 162 x 108 x 57mm                            | 6.38 x 4.25 x 2.44in / 162 x 108 x 62mm                            | 7.09 x 5.2 x 2.8in / 180 x 132 x 71mm                              | 7.09 x 5.2 x 3.19in / 180 x 132 x 81mm                             |
| Weight                      | 1.06 lbs / 0.48kg                                                  | 1.54 lbs / 0.7kg                                                   | 2.20 lbs / 1kg                                                     | 2.65 lbs / 1.2kg                                                   |
| Certification               | RCM, FCC, CE, UKCA, ICID, RoHS, REACH, TSCA / CA65, TELEC, RF, R10 | RCM, FCC, CE, UKCA, ICID, RoHS, REACH, TSCA / CA65, TELEC, RF, R10 | RCM, FCC, CE, UKCA, ICID, RoHS, REACH, TSCA / CA65, TELEC, RF, R10 | RCM, FCC, CE, UKCA, ICID, RoHS, REACH, TSCA / CA65, TELEC, RF, R10 |
| Warranty                    | 3-Year                                                             | 3-Year                                                             | 3-Year                                                             | 3-Year                                                             |

