



# RENOGY

SUPERIOR **OFF-GRID** SOLUTIONS

**RENOGY**  
**SMART**  
**LIITHIUM IRON PHOSPHATE**

12V 100AH BATTERY WITH BMS-CHARGING FUNCTION

Ensure that your charger is lithium ion compatible before use.

Do not crush, puncture, or incinerate the battery. Keep away from external contacts. Store at temperatures above 122°F (50°C). Connect in series.

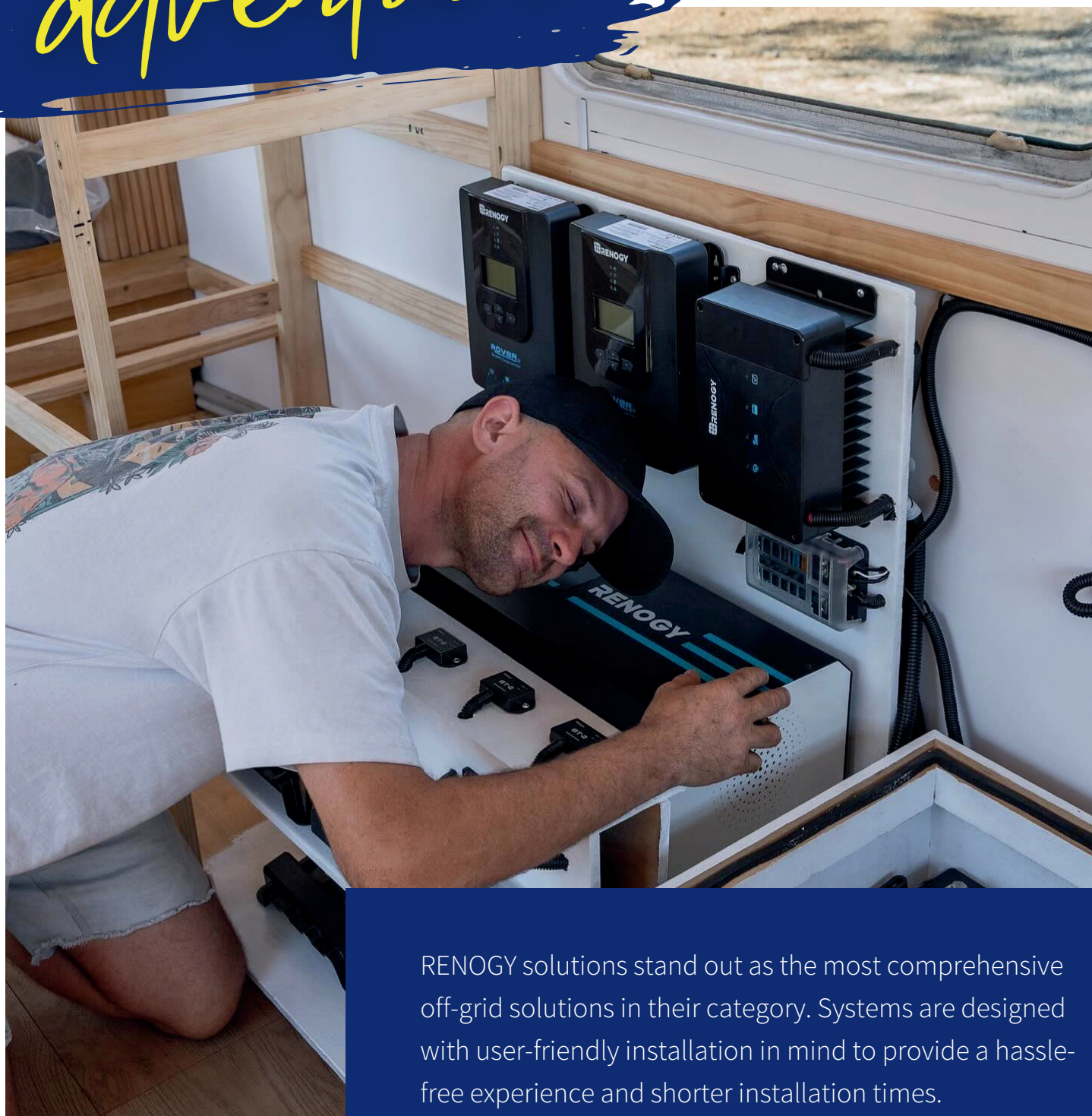
For more information, please visit [www.renogy.com](http://www.renogy.com) or call 1-800-451-7769.



**2025 NEW BATTERIES**



# adventure



RENOGY solutions stand out as the most comprehensive off-grid solutions in their category. Systems are designed with user-friendly installation in mind to provide a hassle-free experience and shorter installation times.



#### **Renogy Dealer Program**

Scan the QR Code for More Details

Email to [dealer.eu@renogy.com](mailto:dealer.eu@renogy.com)

 **RENOGY**  
SUPERIOR OFF-GRID SOLUTIONS



# INDUSTRY LEADER IN OFF-GRID POWER SINCE 2010

Established in 2010, Renogy is a global leader in off-grid solutions, headquartered in Los Angeles, California, with 11 operations centers worldwide. Collaborating with RV manufacturers, dealers, and Renogy Certified Installers, Renogy provides innovative off-grid solutions globally.

RENOGY solutions are equipped with advanced safety features, protocols, full UL, CE, and international compliance, and integrated system monitoring, ensuring protection across all system components. Backed by our dedicated global and local customer support and certified dealer training, RENOXY stands as your go-to off-grid power department.

## **RNG International Inc.**

5050 S Archibald Ave,  
Ontario, California 91762

## **RNG Germany GmbH**

Am Maibusch 108, 45883  
Gelsenkirchen

## **14 YEARS**

Global Innovation in Off-Grid Energy

## **11 GLOBAL OPERATIONS**

Global R&D, manufacturing, and Customer Support sites in United States, Australia, China, Japan, Europe, and the Philippines.

## **TOTAL OFF-GRID SOLUTIONS**

Solar Panels, Batteries, Chargers, Inverters, and Monitors







**RENOGY 12.8V 100AH  
SUPER SLIM AND SOLID STATE DEEP CYCLE  
LITHIUM BATTERY**

Introducing Renogy's groundbreaking Super Slim Battery, a marvel of cutting-edge technology designed to redefine your charging experience. With its ultra-sleek profile measuring a mere 60mm in thickness, this battery represents the pinnacle of innovation, combining style with unparalleled functionality.



**ONLY 59 MM  
THICKNESS**



**-20°C SAFE CHARGING**



**RELIABILITY AND SAFETY OF  
SOLID-STATE BATTERY**



**FAST CHARGING  
LONGER LIFESPANS**

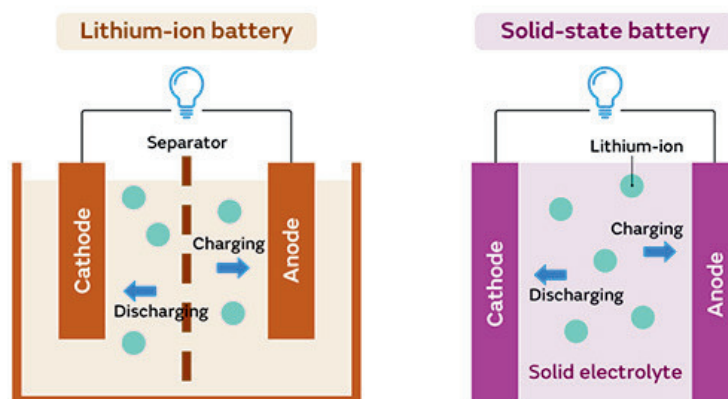
|                             |                                                                    |
|-----------------------------|--------------------------------------------------------------------|
| Model No.                   | RBT12104LFP-SSL-BT                                                 |
| Battery Type                | Solid State Lithium Iron Phosphate                                 |
| Smart Functions             | Bluetooth Build-in                                                 |
| Nominal Voltage             | 12.8V                                                              |
| Rated Capacity              | 104AH                                                              |
| Cycle Life (0.5C, 25°C)     | Over 6000 Cycles<br>25°C 0.5C/0.5C Charge/Discharge 80%DOD,80% EOL |
| Maximum Charge Current      | 100A                                                               |
| Maximum Discharge Current   | 200A                                                               |
| Operating Temperature Range | -20°C to 45°C                                                      |
| Storage Temperature Range   | -20°C to 60°C                                                      |
| Protection                  | IP67                                                               |
| Connection Method           | Series and Parallel                                                |
| Dimensions                  | 578.9 x 290 x 59 mm                                                |
| Weight                      | 13kg                                                               |
| Certification               | UN38.3、IEC62133、MSDS、ROHS、UL1973、FCC-ID、FCC-IC、PSE、CE、UKCA         |
| Warranty                    | 8 Year                                                             |



# SOLID-STATE BATTERIES

## What is Solid-State Battery?

Solid-state batteries are a type of battery technology that uses solid electrodes and a solid electrolyte, instead of the liquid or gel electrolytes found in traditional lithium-ion or lead-acid batteries. This design fundamentally changes how the battery operates and offers several advantages in terms of safety, energy density, and longevity.



## 8 Significant Benefits over Traditional Lithium-ion Batteries

**Higher Energy Density:** They store more energy in the same space, resulting in longer-lasting devices and extended EV range.

**Improved Safety:** Using a solid electrolyte reduces the risk of overheating and fires, making them safer.

**Longer Lifespan:** These batteries degrade less over time, supporting more charge cycles and a longer lifespan.

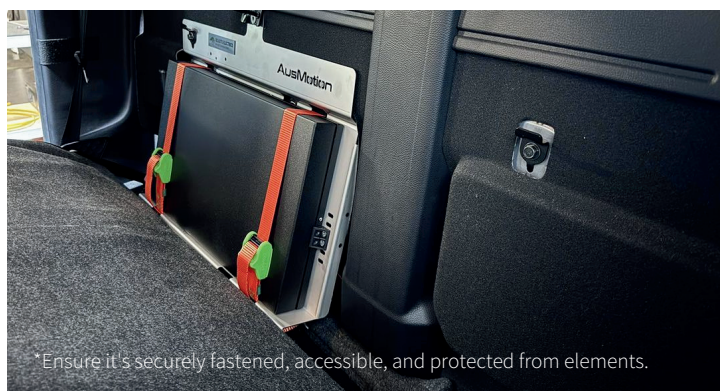
**Faster Charging:** They potentially charge quicker, which is particularly beneficial for electric vehicles.

**Wider Temperature Range:** They perform efficiently in various temperatures, enhancing reliability.

**Smaller Size and Weight:** Their efficiency allows for more compact and lightweight designs.

**Environmental Benefits:** They may have a lower environmental impact and better recycling potential.

**Design Flexibility:** The solid electrolyte enables innovative battery designs and improved performance.



### For installing a super slim battery in your off-road truck and RV

**Under the Hood:** If space allows, install it in the engine bay.

**Under/Behind Seats:** Use under-seat space for a secure, compact fit.

**Truck Bed:** Place it in a secure enclosure in the truck bed.

**Storage Compartments:** Utilize under-floor or side storage areas.

**Rear Cargo Area:** Securely mount it in the rear cargo space.

Swapping your AGM battery for an Ultra Slim Lithium Battery depends on your charging setup. Lithium batteries have different charging requirements, so it's essential to ensure compatibility to avoid damage or safety risks. Before making the switch, check that your DC-DC charger, solar charge controller, and AC charger are compatible with lithium batteries. Consult the equipment manuals to confirm they support lithium charging profiles for a safe transition.



# DIN TYPE UNDER-SEAT



Introducing our high-performance DIN-type lithium batteries, expertly designed for caravans and motorhomes. Tailored for compatibility with the popular Ducato chassis and under-seat installations, Renogy Smart Pro LiFePO4 batteries come with advanced features including Bluetooth connectivity, Canbus integration, and a heating system for reliable performance in low temperatures.

## Power to Beat the Cold



- ✓ Auto-heating below 41°F
- ✓ Self-Heating with Overheat Protection
- ✓ No extra installation



VS

- ✗ Manual control needed
- ✗ Heat barely reaches the cells
- ✗ Installation required



## And Survive the Heat



UL94 V-0  
Flame Resistant



6 Temperature Sensors to Monitor 200% More Space

## Smart Sleep Mode: Designed to Extend Battery Life and Enhance Safety

**Undervoltage Sleep Mode:** If the voltage doesn't recover within 5 minutes after undervoltage protection, the BMS enters low power mode, and terminals show less than 6V. Charge to reactivate.

**Normal Sleep Mode:** If inactive for 24 hours, the BMS enters sleep mode with normal voltage but no Bluetooth signal. Charge or discharge to reactivate and restore Bluetooth Connections.



NEW

|                             |                                                                    |
|-----------------------------|--------------------------------------------------------------------|
| Model No.                   | RBT12135LFP-SHBT                                                   |
| Battery Type                | Lithium Iron Phosphate                                             |
| Smart Functions             | Self-heating Function, Bluetooth Build-in                          |
| Nominal Voltage             | 12.8V                                                              |
| Rated Capacity              | 135Ah                                                              |
| Cycle Life (0.5C, 25°C)     | Over 4000 Cycles<br>25°C 0.5C/0.5C Charge/Discharge 80%DOD,80% EOL |
| Maximum Charge Current      | 100A                                                               |
| Maximum Discharge Current   | 100A                                                               |
| Charge Temperature Range    | 0°C to 55°C                                                        |
| Discharge Temperature Range | -20°C to 50°C                                                      |
| Storage Temperature Range   | -25°C to 65°C                                                      |
| Protection                  | IP65                                                               |
| Connection Method           | Series (Up to 4); Parallel (Up to 8)                               |
| Dimensions                  | 355 x 175 x 190 mm                                                 |
| Weight                      | 14.5kg                                                             |
| Certification               | FCC, UKCA, CE, PSE, IC, MIC, ROHS, MSDS, UN38.3                    |
| Warranty                    | 7 Year                                                             |



# SMART LITHIUM

Faster response to abnormal conditions when BMS/hardware fails

15s

Renogy 12V 100Ah Pro

40x  
Faster\*

600s

Other LiFePO4 Batteries with Conventional Passive Protection

\*When the actual current is 135% of the rating

• With Active Backup Protection



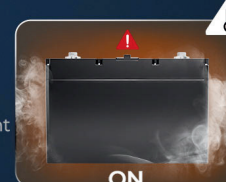
»  
Break the circuit



• Without Active Backup Protection



»  
The current still flows



## The All-New Heated Battery with Bluetooth

Upgrade to our latest 2-in-1 12V 200Ah LiFePO4 battery for less

2-IN-1



## Configure Your Power Plant. Your Way.

Open up new possibilities of off-grid power in the way you like <sup>2</sup>

4P4S

48V (51.2V) 400Ah  
20.48kWh



4S

48V (51.2V) 100Ah  
5.12kWh



8P

12V (12.8V) 800Ah  
10.24kWh

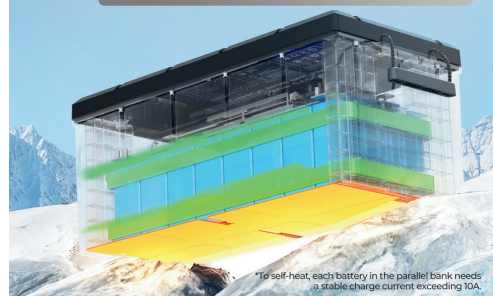


<sup>2</sup> Please select right amount of batteries & proper connection based on applications for system set-up.

## 2X Faster Self-Heating

Extend the runtime with extra warmth for low-temp conditions

Renogy From -4°F to 32°F <40 min **2X** Higher Heating Rate  
Others From -4°F to 32°F >1 hr



\*To self-heat, each battery in the parallel bank needs a stable charge current exceeding 10A.

NEW



NEW



|                             |                                                                     |                        |
|-----------------------------|---------------------------------------------------------------------|------------------------|
| Model No.                   | RBT12200LFP-SHBT                                                    | RBT12500LFP-SHBT       |
| Battery Type                | Lithium Iron Phosphate                                              | Lithium Iron Phosphate |
| Smart Functions             | Seal-heating Function, Bluetooth Build-in                           |                        |
| Nominal Voltage             | 12.8V                                                               |                        |
| Rated Capacity              | 200Ah                                                               | 500Ah                  |
| Cycle Life (0.5C, 25°C)     | Over 4000 Cycles<br>25°C 0.5C/0.5C Charge/Discharge 80%DOD, 80% EOL |                        |
| Maximum Charge Current      | 200A                                                                | 200A                   |
| Maximum Discharge Current   | 200A                                                                | 300A(MAX 10S)          |
| Charge Temperature Range    | 0°C to 55°C                                                         |                        |
| Discharge Temperature Range | -20°C to 50°C                                                       |                        |
| Storage Temperature Range   | -25°C to 65°C                                                       |                        |
| Protection                  | IP65                                                                |                        |
| Connection Method           | Series (Up to 4); Parallel (Up to 8)                                | Parallel (Up to 8)     |
| Dimensions                  | 330(365) x 225 x 190 mm                                             | 355*350*195 mm         |
| Weight                      | 25Kg                                                                | 48Kg                   |
| Certification               | FCC, UKCA, CE, PSE, IC, MIC, ROHS, MSDS, UN38.3                     |                        |
| Warranty                    | 7 Year                                                              | 7 Year                 |



## Rugged Design For **Mobile Applications**

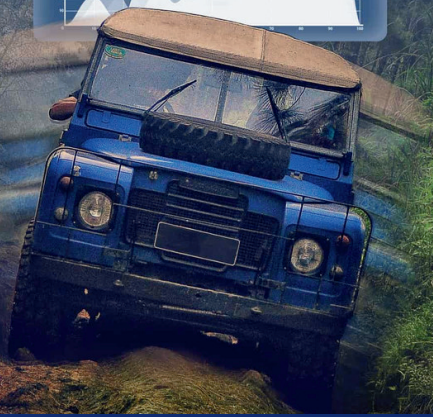
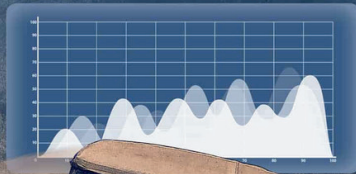
Extensive testing ensures stable performance under harsh vibration conditions



Road Load Tested



Extruded Aluminum Housing



## Integrated Charging Solutions

- Solar charging
- Alternator battery charging ( DC Charging )
- Shore power charging (AC Charging)

Our patented Battery Management System (BMS) technology ensures precise control over the charging and discharging processes, thereby guaranteeing optimal performance for the batteries.

## All-in-One Monitor

- Renogy DC Home App
- Renogy ONE Core (4' Touchscreen)
- Renogy ONE Vision (7' Touchscreen)
- Renogy ONE Portal (Laptop)

Experience unrivaled accuracy in energy tracking and management. Take control of your energy efficiency like never before with Renogy.



## International **Certifications**

Ensuring peace of mind in its long-term usage



IEC62619/62620



UN38.3



UL1973



FCC Certification



## International **Certifications**

Renogy products have advanced safety features, protocols, full UL, CE, and international compliance, and integrated system monitoring to ensure protection across all components.



# COMFORT ANYWHERE WITH RENOGY SMART OFF-GRID SOLUTION

## FULL OFF-GRID SOLUTIONS

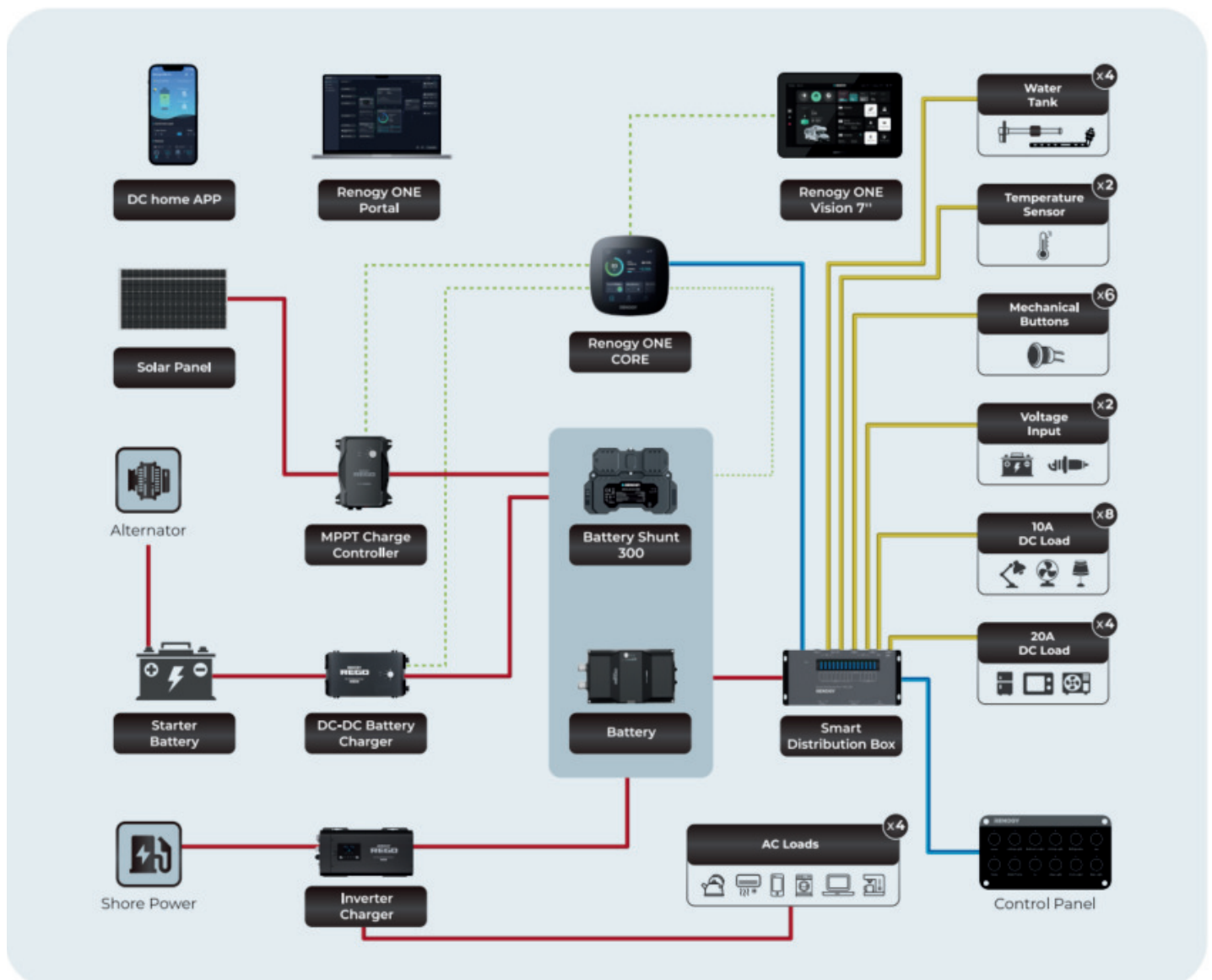
Renogy REGO solution includes all the components necessary for a true off-grid power system, optimizing the system performance and amplifying the user experience.

## SIMPLIFIED DESIGN

Renogy REGO is designed for user-friendly installation, providing a hassle-free experience and shorter installation times. With dedicated local customer support and certified RV dealer training, RENOGY serves as your go-to Off-Grid power department.

## ENHANCED SAFETY

RENOGY solutions are equipped with advanced safety features, protocols, full UL compliance, and integrated system monitoring, ensuring protection across all system components, and providing users with 24/7 peace of mind.







**Renogy for Professionals™** is a business partner program, specifically dedicated to serving the global RV OEMs, Renogy distributors and dealers.

Email : [partner.eu@renogy.com](mailto:partner.eu@renogy.com)

## RV OEM Solutions

Outfit your RV with the latest in off-grid power and smart control. Renogy will work with your team implementing our intuitive technical solutions into your RV model.

- Full line-up of industry-leading off-grid power with unmatched price-performance
- Simple, Intelligent and reliable product design

### End-to-end OEM Support Local Warehouse

Power system design  
Prototyping support  
Installation guide and training (Onsite support)  
Sales training and marketing support  
Full-line local warehousing and next day delivery.



# Renogy Dealer Program

We're here as your dedicated partner, offering expert support to help you navigate dynamic industry landscapes. From cutting-edge off-grid products to comprehensive training, we provide dealers with the tools to thrive.

## Why Work with Renogy?

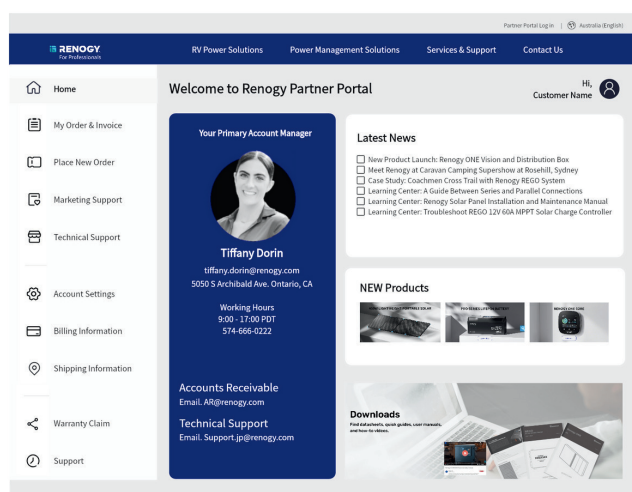
- **Over 120 Off-Grid Products:** With over 120 product models to select from, including solar panels, batteries, inverters, chargers, and all necessary cables and tools, we provide a complete solution to meet diverse needs.
- **The world-leading RV OEM's choice:** We have partnered and supplied to global leading caravan manufacturers, including Forest River, Jayco, Alliance RV, Coachmen, Opus, Ezytrail Camper, and more, in the U.S., Australia, and Japan.
- **Local Warehouses & Drop shipping Available:** We have local warehouses to ensure quick and efficient delivery. There is no need to maintain inventory, reducing your overhead costs.
- **Enhanced Profit Margins:** Enjoy competitive pricing and exclusive discounts tailored to maximize your profitability.
- **Training and Resources:** Access comprehensive training resources, product guides, and sales tools to boost your expertise and sales performance.
- **Marketing Collaboration:** Collaborate with Renogy on marketing campaigns, co-branded materials, and promotional events to expand your reach and customer base.
- **Rewards and Incentives:** Earn rewards, incentives, and recognition for your outstanding performance and loyalty to Renogy.



### Renogy Dealer Program

Scan the QR Code for More Details  
Email to [dealer.eu@renogy.com](mailto:dealer.eu@renogy.com)

- Fill out the online application.
- Renogy reviews your application and assesses suitability within 1 - 3 working days.
- Receive notification of approval as a Renogy Authorized Dealer.
- Renogy creates a Partner Account on Renogy Partner Portal and initiates onboarding.
- Participate in onboarding sessions and access marketing support materials.



## Renogy Partner Portal **NEW**

Seamlessly manage your company account, access essential information like invoices, order status, and warranty claims. And explore our extensive products catalog, enjoy exclusive pricing, and easily place orders for the latest products.

- Product Ordering
- Order History & Invoices
- Dedicated Customer Support
- Warranty Claim and Status
- Training Support, Marketing and Sales Support
- And much more!

### Tech Support

Renogy offers technical support to dealers, including troubleshooting assistance, product specifications, and guidance on installations and configurations.

### Marketing Support

We'll introduce end-users seeking product installation services to your dealership, and assist with product displays and provide marketing merchandise.

### Warranty & Services

Renogy's warranty support is efficient and prompt. We aim to identify and address warranty issues within 1-2 working days and process replacements within 1 day, ensuring a quick resolution for both dealers and customers.



For more helpful information,  
please visit the Renogy website and Learning Center.

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

<https://www.renogy.com/learning-center>

## **Renogy for Professionals**

We know it takes more than a great product to satisfy customers and broaden the accessibility of off-grid solar solutions. That's why we are actively looking for business partners to deliver the best product and services globally.



### **Renogy Dealer Program**

Scan the QR Code for More Details

Email to [dealer.eu@renogy.com](mailto:dealer.eu@renogy.com)

### **Renogy RV OEM Solutions**

Email to [partner.eu@renogy.com](mailto:partner.eu@renogy.com)

[Http://pro.renogy.com/eu](http://pro.renogy.com/eu)