

# Renogy Unveils Lithium 2.0 Solid-State Battery Series at Caravan Salon Düsseldorf

*Renogy launches Lithium 2.0 Solid-State Battery Series at Caravan Salon Düsseldorf — safer, longer-lasting, and designed for next-gen off-grid power.*

DÜSSELDORF, GERMANY, August 29, 2025 /EINPresswire.com/ -- [Renogy](https://www.renogy.com), a global leader in off-grid power solutions, proudly announces the official launch of its [Lithium 2.0 Solid-State Battery](#) Series at Caravan Salon Düsseldorf, showcasing the next generation of safe, high-performance energy storage for mobile and off-grid applications.



Solid State Battery Series

The Lithium 2.0 Series is designed for flexibility, safety, and longevity, offering three models to meet a range of energy needs:

- 104Ah Model: Launched earlier this year, its slim profile (only 61mm) allows installation in tight spaces such as cabinets or behind panels. Its solid-state cells enable installation in any orientation. Delivers a maximum continuous charge current of 100A, discharge current of 200A, and peak load of 290A, providing reliable performance for everyday mobile energy use. Warranty: 8 years.
- 120Ah Model: Designed for under-seat installation, it delivers a continuous current of 150A and a peak load of 350A, ideal for high-demand mobile applications. Warranty: 7 years.
- 240Ah Model: High-capacity solution for extended power needs, supporting maximum charge and discharge currents of 240A and a peak load of 450A, perfect for larger mobile or off-grid energy setups.

## EV-Grade Solid-State Cells for Safety & Longevity

The Lithium 2.0 Series uses EV-grade solid-state LiFePO<sub>4</sub> cells with 70% less flammable electrolyte than traditional LiFePO<sub>4</sub> batteries, delivering a cycle life of over 6,000 cycles. This

ensures exceptional safety and longevity for families, RV enthusiasts, and off-grid users who rely on consistent, worry-free energy over years of use.

#### Advanced BMS & Thermal Management

Renogy's over 60 BMS protections include high-temp layered safeguards and dual-stage active fuses, designed to prevent overheating, overcharging, and other battery hazards. Users operating in cold climates will benefit from the built-in heating film, enabling self-heating from 0°C to -20°C, while the semi-solid separator withstands up to 300°C, ensuring thermal stability even under extreme conditions. These features are crucial for safe operation in winter environments, high-power RV setups, or emergency situations.

#### Easy Monitoring

All models include built-in Bluetooth, making them easy to monitor and control via the Renogy App.

#### Expandable Power & System Upgrade

The Lithium 2.0 Series is designed for scalability and can be upgraded to 24V or 48V systems, allowing users to build larger [off-grid or mobile energy](#) setups as needed.

#### Global Safety Certifications

The series meets stringent international standards, including: IEC62619, MSDS, UN38.3, FCC, CE, PSE, RoHS, RCM, IC, and UKCA, demonstrating global compliance and providing assurance of reliability, safety, and performance in any environment.

#### Pricing & Availability

120Ah Model: €779.99 MSRP

240Ah Model: €1,369.99 MSRP

Learn More: <https://de.renogy.com/pages/pro-s1-serie-batterie>

The Lithium 2.0 Series will be available to OEMs and dealers starting from Caravan Salon Düsseldorf, while consumer pre-orders open from October 20th. Customers can subscribe on Renogy's official page to stay updated and secure their units.

#### Renogy at Caravan Salon Düsseldorf

Visitors are invited to explore Renogy's full high-end product line, including the Renogy PRO, and REGO series, at Hall 13, Booth E72. The PRO and REGO series showcase Renogy's cutting-edge innovation in mobile and off-grid energy solutions, offering advanced solar panels, inverters, and energy management systems for demanding RV, marine, and outdoor applications.

#### About Renogy

Renogy is a global leader in renewable energy solutions, providing safe, reliable, and innovative off-grid power systems for homes, vehicles, and outdoor adventures.

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