



48 volt lithium phosphate battery

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Since 2010 we have been on a mission to change the way the world uses energy. We are committed to making a lasting impact on the earth by removing barriers to sustainable living and energy independence.

Renogy started as a small project by students at Louisiana State University. With the help and support of the Louisiana Business and Technology Center, Renogy has grown into a flourishing company.

With a single cell temperature measurement discrepancy of $\pm 1^\circ$ and voltage measurement discrepancy of $\leq 5\text{mV}$, the new Renogy 48V LiFePO₄ is our most reliable battery yet. Powered by an upgraded intelligent BMS circuit, the Renogy 48V LiFePO₄ battery is resistant to load and temperature fluctuations.

After extended use, the battery's chemical composition will start to deteriorate, and the over-voltage protection function will be triggered more often, stopping it from fully charging. However, the latest Renogy auto-balancing function ensures that all internal battery pouches charge consistently, improving your battery's charging efficiency and extending its service life.

Meet our revolutionary self-heating function. This technology allows you to charge your batteries in cold environments effortlessly. When connected to an input, the self-heating function will start operating automatically once the battery temperature drops below 41°F (5°C).

Say goodbye to the old external switch connector. With a built-in switch button, activating and de-activating the battery can all be done with one touch. This will minimise the battery's internal power consumption. Not to mention, you can avoid electrical sparks when installing your solar system by being able to control the de-activation process yourself.

With the improved RS485 UP Communication Port, your batteries will be able to communicate and transfer data in real time. Using a Renogy Bluetooth Module BT2 export the data into comprehensible information streamed straight to your cell phone, or watch it live with a Renogy monitoring screen.

To calculate the overall star rating and percentage breakdown by star, we don't use a simple average. Instead, our system considers things like how recent a review is and if the reviewer bought the item on Amazon. It also analyzed reviews to verify trustworthiness.

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