



# 48V 50AH SMART LITHIUM IRON PHOSPHATE BATTERY



## RENOGY 48V 50AH SMART LITHIUM IRON PHOSPHATE BATTERY

The Renogy Smart Lithium Iron Phosphate Battery is a perfect option for off-grid energy storage systems. The 48V nominal voltage ensures low heat generation and high efficiency during high power transmission. The modular design scales easily to meet a range of configurations - making it simple to tailor your energy requirements to specific projects. Optimized with a proprietary manufacturing processes and cell architecture, the battery meets the highest safety standards and has an exceptional lifecycle. The state-of-the-art battery management system (BMS) enables comprehensive protection features and real-time monitoring on the battery. Equipped with the intelligent self-heating function, the battery is ready to be charged or operate in low temperature conditions.

### KEY FEATURES

#### Modular Design

Easily connect multiple batteries in parallel with the auto-balancing function to meet the power and energy requirements of different system setups.

#### Reliable System

Provides comprehensive protection features and real-time monitoring on batteries using the battery management system (BMS) with high-performance dual-processors.

#### Uncompromised Quality

Optimized with a proprietary manufacturing process and cell architecture, this battery features an exceptional lifespan of more than 4500 cycles, 50A maximum discharge current, and a wide range of operating temperature.

#### Communication Port

Enables communication among connected batteries, external devices, and host computers through multiple communication ports.

#### Self Heating

Keeps the battery charged or operating in cold environments with the help of the intelligent self-heating function.