



# Eg4 lifepower4

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EG4 Lithium Iron Phosphate battery 51.2V (48V battery) 5.12kWh with 100A internal BMS. Composed of (16) UL recognized prismatic 3.2V cells in series which have been tested at 7,000 deep discharge cycles to 80% DoD; fully charge and discharge this battery daily for over 15 years without issue. Reliable and rigorously tested, with a 99% operating efficiency.

EG4 LifePower4 48V 100AH; Certificate of Compliance

EG4 LIFEPOWER4 48V - MANUAL V2.4.4

EG4 LifePower4 48V 100AH; Firmware; 3.4

EG4 BMS Test Windows

EG4(R) 18kPV; Battery Wiring Diagrams v1.2

The EG4 LiFePower4 48V v2 battery retains the robust performance of the original model, now with enhanced features for improved user experience and system integration. Built with 16 UL-recognized 3.2V LiFePO4 cells, this battery provides >6,000 cycles at 80% Depth of Discharge (DoD), a nominal voltage of 51.2V, and a 5.12kWh capacity. Its 100A Battery Management System (BMS) supports parallel connections of up to 64 units, making it adaptable for larger systems.

RS485 and CAN bus compatibility with a six position DIP switch ensures accurate settings of protocols and easy integration with various inverters. The LiFePower4 48V v2 also includes Emergency Stop (E-Stop) and dual fire arrestors for added safety. This battery is backed by a 10-year limited warranty.

Nominal Voltage: 51.2V Energy Capacity: 5.12kWh Charge Capacity: 100Ah BMS: Internal 100A Battery Management System Certified Cells: 16 UL-recognized 3.2V cells in series. Closed-Loop Support Up to 64 batteries Total Capacity: 327.7kWh Safety Certified: UL 1973, UL 9540A, and UL 9540 Listed with 18kPV-12LV sign Life: Tested for >6,000 deep discharge cycles at 80% Depth of Discharge (DoD) Dimensions: 6.1x19x17.4 in (155x442x470mm) Weight: 99.6 lbs. (45.2kg) Warranty: 10 year

EG4 Electronics is thrilled to unveil the latest addition to its battery lineup, the LiFePOWER4 48V v2 battery. Building on the success of its predecessor, this new battery retains its robust architecture and high performance while incorporating innovative upgrades to enhance user experience and system integration.

The LiFePOWER4 48V v2 battery features upgraded cable connections, with two positive and two negative terminals, making it easier to connect additional equipment like chargers. A significant enhancement from the



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original LiFePOWER4 is the inclusion of a new CAN bus port alongside the existing RS485 communication port. This allows for seamless integration with a wider range of inverters without needing a Communication Hub.

To simplify customization, the LiFePOWER4 v2 includes the addition of a new Protocol 6 DIP switch. This switch provides straightforward and flexible customization options for both the inverter and the battery.

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