

Powertech 50AH Lithium Battery SB2214



Data Sheet

The next generation of power storage is here! These LiFePO₄ batteries weigh less than half of their Lead Acid counterparts. They may look fairly similar to lead acid batteries, but internally they're a totally different, next generation concept. They're actually made up of LiFePO₄ polymer pouch cells, which are in mass production for many portable devices. An internal battery management system (BMS) ensures all cells are uniformly charged and discharged, as well as providing short circuit, over current, and reverse polarity protection. This provides you with a higher degree of protection than a traditional lead acid battery which is unprotected, and can discharge rapidly under short circuit conditions, causing fire and damage. The internal BMS will also limit discharge and manage cut-off voltage, to further protect the internal cells.

This 50Ah model can provide continuous current up to 50A. Absolutely perfect for high capacity portable power, and replacement of similar capacity lead acid / AGM battery.

Features:

- Much lighter than Lead Acid and AGM Batteries
- Robust LiFePO₄ Cells
- Excellent life span

Specifications:

Total Capacity: 50Ah
Usable capacity: 40AH (80% of total capacity)
Service Life: 10yrs+
Cycle Life: 1500+ cycles (> 80% capacity retention)
Nominal Voltage: 12.8V
Cut-Off Voltage: 10V approx.
Charge Type: Constant Current / Constant Voltage
Discharge Current: 50A
Max Continuous Current: ≤150A (≤5 sec)
Internal Cells: LiFePO₄ Polymer Pouch
Maximum Internal Resistance: 85MΩ
Output Terminals: M5 Bolt Down
Operating Temperature: 0-45°C (60°C max discharging)
Operating Humidity: RH < 85%
Storage Temperature: 0-40°C (15-25°C recommended)
Storage Humidity: RH < 50%



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Send mail with questions or comments about this product.

