

Product Image



Summary

- BATARYASAN introduces the 12V-50Ah LiFePO4, a cutting-edge rechargeable battery designed to redefine power storage. Leveraging Lithium Iron Phosphate technology, our product boasts exceptional energy density and an extended lifespan, ensuring reliability for diverse applications. With a compact design and eco-friendly composition, our battery addresses the growing demand for sustainable energy solutions. The 12V-50Ah LiFePO4 by BATARYASAN sets a new standard for high-performance energy storage, delivering efficiency, durability, and environmental consciousness in a single, powerful package.

Mechanical Specifications

- Case Material **ABS**
- Cell Type-Chemistry **Cylindrical LiFePO4**
- Terminal Type **M8**

Basic Performance

- Nominal Voltage **12.8V**
- Nominal Capacity **50Ah**
- Standard Discharge Time **25A@60min**
- Capacity **640Wh**
- Self Discharge **<=2%/Month**
- Cells **3.2V- 6Ah**
- Cycle Life **3000 times(25°C)**
- Size (mm) **229x138x208**
- Weight (kg) **6**

BMS Specifications

- Recommended Charge Current **25A**
- Maximum Charge Current **25A**
- Max Continuous Discharge Current **50A**
- Recommended Charge Voltage **13.6~13.8V**
- Maximum Charge Voltage **14.6V**
- Overcharge Protection Voltage **14.8~15.2V**
- Charge Mode **CC/CV**
- Discharge Cut-off Voltage **10.8V**

Charge Performance

- Rated Charge Current **25A**
- Maximum Charge Current **25A**
- Rated Charge Voltage **13.6~13.8V**
- Charge Cut-off Voltage **>14.8V**

Discharge Performance

- Rated Discharge Current **50A**
- Pulse Current (<=5S) **150A**
- Rated Discharge Cut-off Voltage **10.8V**
- Minimum Discharge Cut-off Voltage **>10V**
- Short Circuit Protection **200~600 µs**
- Short Circuit Protection **Approx. 1200A**

Temperature Performance

- Discharge Temperature **-20~60°C**
- Charge Temperature **0~45°C**
- Storage Temperature **0~45°C**
- High Temperature Cut-off **65°C**

Certifications

