

Lithium iron phosphate battery box

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Introduction

Lithium iron phosphate battery box is composed of 32 single cells (200Ah). Lithium iron phosphate battery box is available for 0.5C rate, with characteristics of high energy density, high security and excellent cycle life, it can be widely used in industrial and commercial energy storage, power auxiliary services, home storage, etc.

Feature

- High energy density, good cycle performance
- Advanced BMU management
- High security and economical, mature technology

Specification

| | |
|-------------------------------|---|
| Configuration | 2P16S |
| Nominal capacity | 200 Ah |
| Battery chemistry | LFP |
| Rated capacity | 10.24kWh |
| Rated voltage | 51.2V |
| Voltage range | 40V-58.4V |
| Charging/Discharge current | ≤0.5C/0.5C (100A) |
| Dimensions (W*D*H) | 450mm*850mm*168mm |
| Weight | 110kg |
| Self-discharge rate | <3.0% per month |
| Protection level | IP20 |
| Optimum operating temperature | 10°C ~ 35°C |
| Max. operating temperature | 0°C ~ 45°C |
| Storage temperature | Short-term storage: -20 ~ 45°C (≤3months, SOC:30% ~ 60%) |
| | Long-term storage: -20 ~ 35°C (≤12months, SOC: 30% ~ 60%) |
| Humidity | 10%RH ~ 95%RH |
| Cooling concept | Air cooling |
| Transportation | SOC: 30% ~ 60% |