

Overview

BU 48V200Ah lithium iron phosphate battery system serves for telecom and energy storage system with perfect compatibility and long cycle life

Features

- Built-in BMS with over-charge, over-discharge, over-temperature, over-current protection etc. compatible with standard telecom and energy storage system
- SOC and SOH indication
- RS485 communication port
- Fast charging, charging rate available
- Good high temperature performance

Battery specification

Nominal Characteristics

Nominal Voltage/V	48
Nominal Capacity/Ah 35°C, 0.2C	≥200

Mechanical characteristics

Weight (approximate)/Kg	≤85
Dimension L*W*H /mm	442mm*600mm*222mm
Terminal	M6

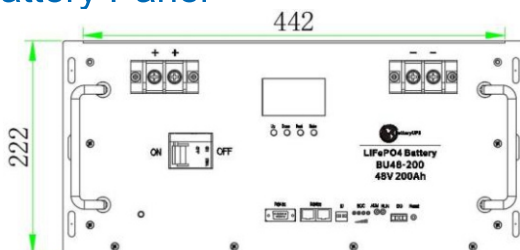
Electrical characteristics

Voltage window/V	42 to 52.8
Float charge voltage/V	51.8
Max. continuous charge current/A	100
Max. continuous discharge current/A	100
Max. Pulsed discharge current/A	150A for 3S
Discharging Cut-off Voltage/V	42

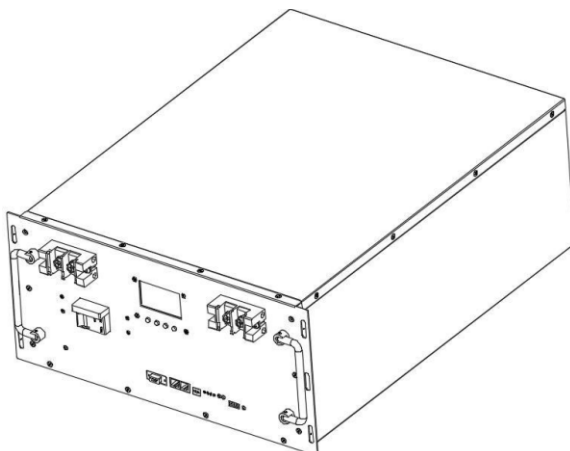
Operating conditions

Cycle life (+35°C 0.2C 80% DOD)	>3000 Cycles
Operating temperature	Discharge: 20°C to 55°C; Charge: 0°C to 45°C
Storage temperature	0 to 30°C
Storage duration	12 months at 25°C
Safety standard	UN38.3 GB-EMC

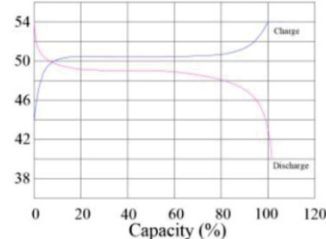
Battery Panel



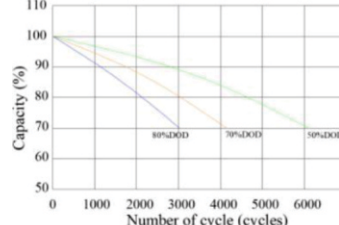
1. Earthing terminal
2. Positive and negative
3. communication interface (DB9-RS485)
4. communication interface (RJ45-RS485)
5. address number (ID)
6. capacity (SOC)
7. alarm light (ALM)
8. run light (RUN)
9. DO port
10. Reset system (Reset)
11. switch (ON/OFF)



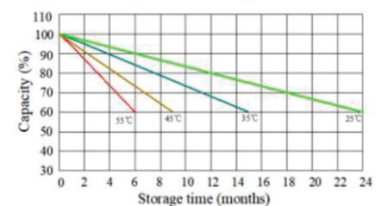
Charge/Discharge Performance @0.25C, 35°C



Cycle life in relation to DOD at 25°C



Self-discharge at different temperature



Temperature effects on capacity at 0.2C

