

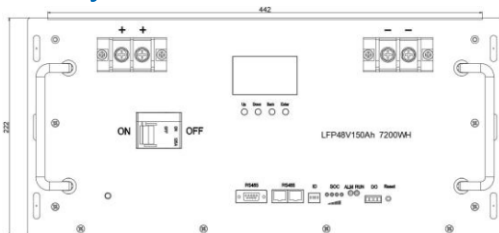
Overview

BU 48V150Ah lithium iron phosphate battery system serves for telecom and energy storage system with perfect compatibility and long cycle life

Features

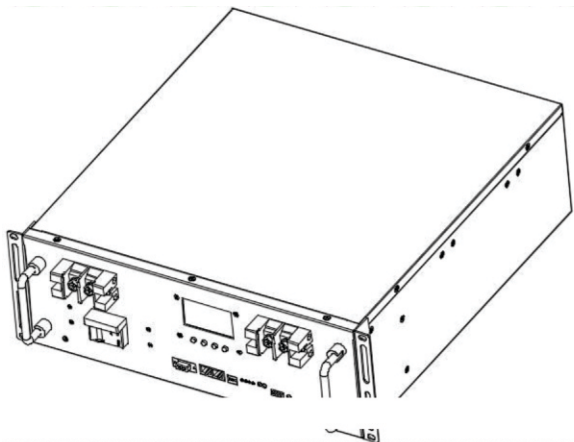
- Built-in BMS with over-charge, over-discharge, over-temperature, over-current protection, etc. compatible with standard telecom and energy storage system
- SOC and SOH indication
- RS485 communication port
- Fast charging, charging rate available
- Good high temperature performance

Battery 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 ling(RUN) 9、DO port 10、Reset system(Reset) 11、switch(ON/OFF)



Battery specification

Nominal Characteristics

Nominal Voltage /V	48
Nominal Capacity /Ah 35°C , 0.2C)	≥150

Mechanical characteristics

Weight (approximate)/Kg	≤65
Dimension L*W*H /mm	442mm*480mm*222mm
Terminal	M6

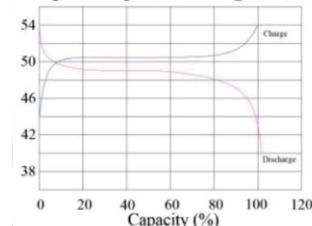
Electrical characteristics

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

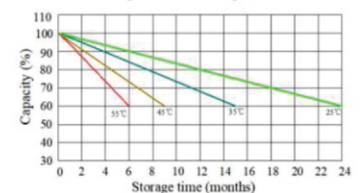
Operating conditions

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

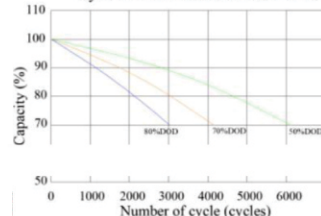
Charge/Discharge Performance @0.25C, 35°C



Self-discharge at different temperature



Cycle life in relation to DOD at 25°C



Temperature effects on capacity at 0.2C

