

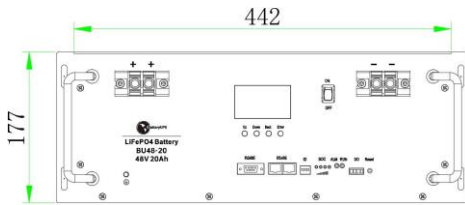
Overview

BU 48V20Ah lithium iron phosphate battery system serves for telecom and energy storage system with perfect compatibility and long cycle life

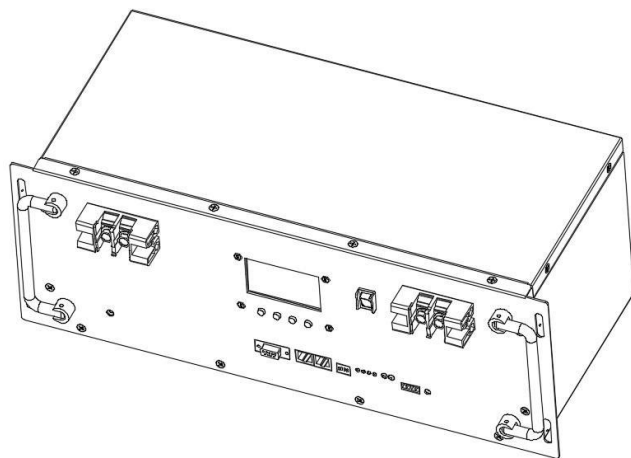
Features

- 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)	≥20

Mechanical characteristics

Weight (approximate)/Kg	≤16
Dimension L*W*H /mm	442mm*203mm*177 mm
Terminal	M6

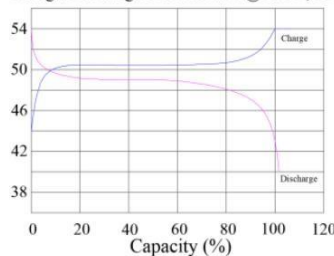
Electrical characteristics

Voltage window/V	42 to 52.8
Float charge voltage/V	51.8
Max. continue charge current/A	20
Max. continue discharge current/A	20
Max. Pulse discharge current/A	50A for 30S
Discharging Cut-off Voltage/V	42

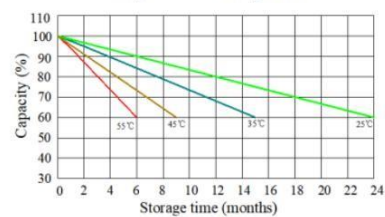
Operating conditions

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

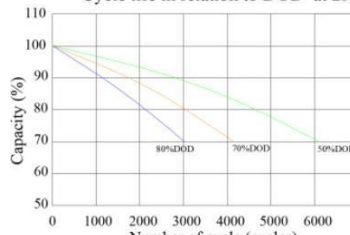
Charge/Discharge Performance @0.25C, 35°C



Self-discharge at different temperature



Cycle life in relation to DOD at 25°C



Temperature effects on capacity at 0.2C

