

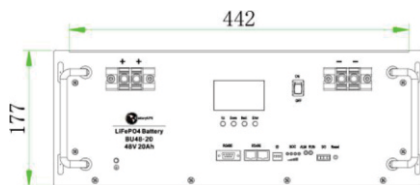
Overview

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

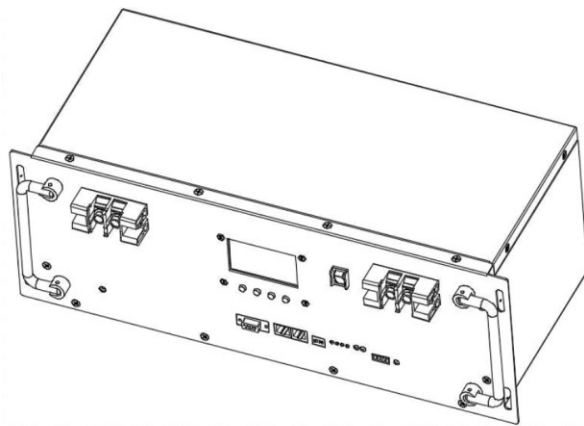
Features

- 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 light (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*177mm
Terminal	M6

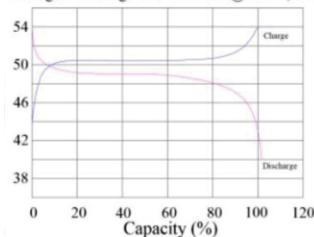
Electrical characteristics

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

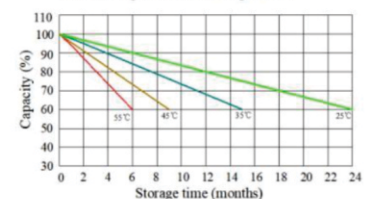
Operating conditions

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

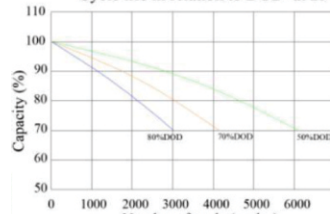
Charge/Discharge Performance @0.25C, 35°C



Self-discharge at different temperature



Cycle life in relation to DOD at 25°C



Temperature effects on capacity at 0.2C

