LiFePO4 Lithium Battery
M-LFP48V50Ah

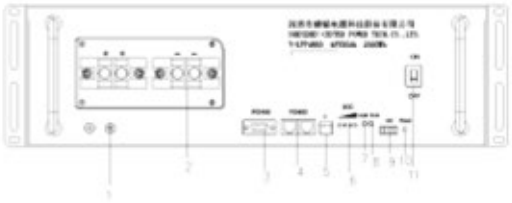
Overview

M-LFP 48V50Ah Lithium iron phosphate battery system serves for telecom and energy storage system with perfect compatibilty 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

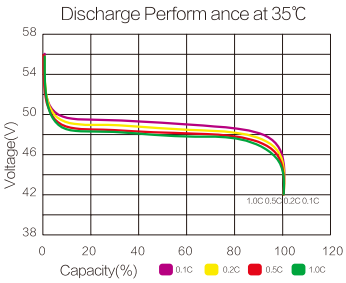
Battery Panel

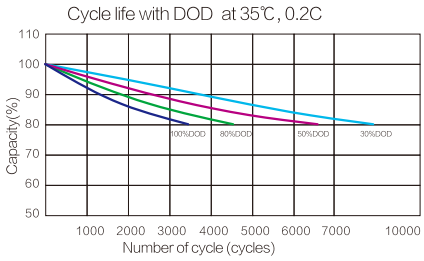


1、Earthing terminal
2、Positive and negative
3、communication interface(DB9-RS485)
4、communication interface(RJ45-RS485)
5、address number(ID)
6、capacity （SOC）
7、alarm light(ALM)
8、run ling\(RUN)
9、DO port
10、Reset system(Reset)
11、switch(ON\OFF)

Battery Specification

Nominal Characteristics	
Nominal Voltage /V	48
Nominal Capacity /Ah (35° C , 0.2C)	≥50
Mechanical characteristics	
Weight (approximate)/Kg	31±0.3
Dimension L*W*H /mm	442*440*135mm
Terminal	M6
Electrical characteristics	
Voltage window/V	42 to 54
Float charge voltage/V	51.8
Max. continue charge current/A	50
Max. continue discharge current/A	50
Max. Pulse discharge current/A	55A for 30S
Discharging Cut-off Voltagel/V	42
Operating conditions	
Cycle life(+35℃ 0.2C 80%DOD)	>4500 Cycles
Operating temperature	Discharge -20℃ to 60℃; Charge0℃ to 60℃
Storage temperature	0 to 30℃
Storage duration	12 months at 25℃
Safety standard	UN38.3, GB-EMC





M-LFP48V50AH				
Discharge constant current(Amperes at 77° F,35℃)				
Eon Point Volts/Cell	0.1C	0.2C	0.5C	1C
Time	Hours			
46.5	10.50	5.21	2.03	0.91
45.0	10.73	5.33	2.08	1.03
43.5	10.88	5.41	2.15	1.06
42.0	10.96	5.46	2.17	1.08