

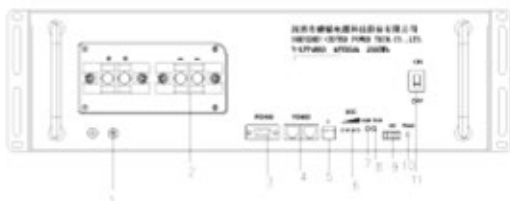
Overview

M-LFP 48V100Ah 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

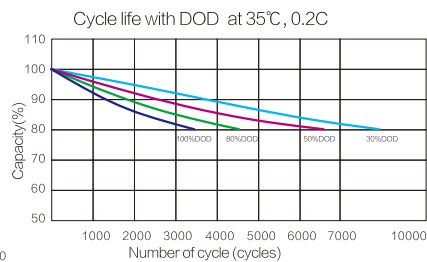
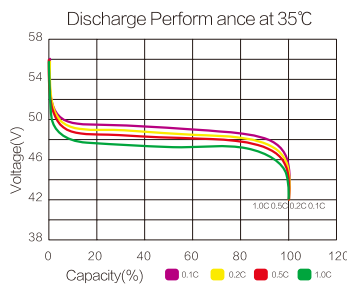


- 1、Earthing terminal
- 2、Positive and negative
- 3、communication interface(DB9-RS485)
- 4、communication interface(RJ45-RS485)
- 5、address number(ID)
- 6、capacity (SOC)
- 7、alarm light(ALM)
- 8、run ling(RUN)
- 9、DO port
- 10、Reset system(Reset)
- 11、switch(ON/OFF)



Battery Specification

Nominal Characteristics	
Nominal Voltage /V	48
Nominal Capacity /Ah (35° C , 0.2C)	≥100
Mechanical characteristics	
Weight (approximate)/Kg	43.2±0.3
Dimension L*W*H /mm	442*480*177mm
Terminal	M6
Electrical characteristics	
Voltage window/V	42 to 54
Float charge voltage/V	51.8
Max. continue charge current/A	100
Max. continue discharge current/A	100
Max. Pulse discharge current/A	105A for 30S
Discharging Cut-off Voltage/V	42
Operating conditions	
Cycle life(+35°C 0.2C 80%DOD)	>4500 Cycles
Operating temperature	Discharge -20°C to 60°C; Charge 0°C to 60°C
Storage temperature	0 to 30°C
Storage duration	12 months at 25°C
Safety standard	UN38.3, GB-EMC



M-LFP48V100AH				
Discharge constant current(Amperes at 77° F,35°C)				
Eon Point Volts/Cell	0.1C	0.2C	0.5C	1C
Time	Hours			
46.5	10.08	5.03	1.98	0.83
45.0	10.26	5.13	2.05	1.03
43.5	10.38	5.20	2.08	1.05
42.0	10.45	5.23	2.10	1.06