LiFePO4 Lithium Battery
M-LFP48V10Ah

Overview

M-LFP 48V10Ah Lithium iron phosphate battery system serves for telecom and energy storage system with perfect compatibilty and long cycle life

Features

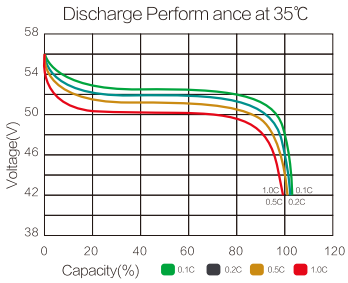
- Built-in BMS with over-charge, over-discharge, over-temperature, over-current protection etc, compatible with standard telecom and energy storage system
- SOC and SOH indication
- RS485 communication port
- Fast charging, charging rate available
- Good high temperature performance

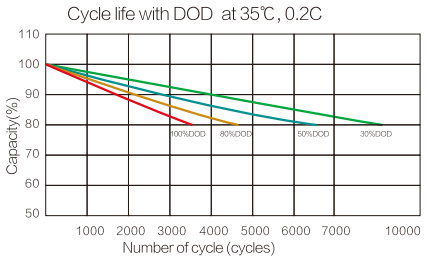
Battery Panel

1、Communication interface(DB9-RS485)
2、Battery capacity(SOC)
3、Alarm light(ALM)
4、Run light(RUN)
5、Reset system(Reset)
6、Switch(ON\OFF)
7、Earthing terminal

Battery Specification

Nominal Characteristics	
Nominal Voltage /V	48
Nominal Capacity /Ah (35° C , 0.2C)	⩾10
Mechanical characteristics	
Weight (approximate)/Kg	8.2±0.3
Dimension L*W*H /mm	442*285*44mm
Terminal	M6
Electrical characteristics	
Voltage window/V	42 to 54
Float charge voltage/V	51.8
Max. continue charge current/A	5
Max. continue discharge current/A	10
Max. Pulse discharge current/A	12A 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	GB-EMC





M-LFP48V10AH				
Discharge constant current(Amperes at 77° F,35℃)				
Eon Point Volts/Cell	0.1C	0.2C	0.5C	1C
Time	Hours			
46.5	9.70	4.81	1.80	0.72
45.0	9.95	4.96	2.00	0.96
43.5	10.10	5.03	2.05	1.00
42.0	10.18	5.08	2.08	1.47