

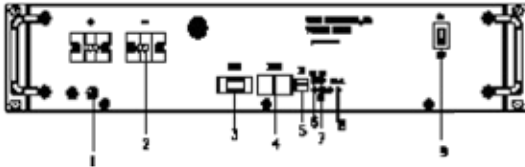
Overview

M-LFP 48V40Ah 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

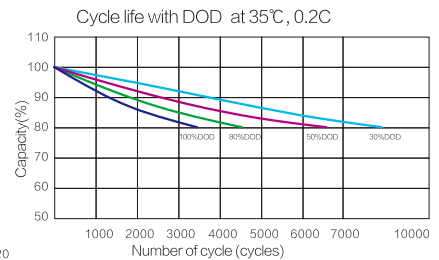
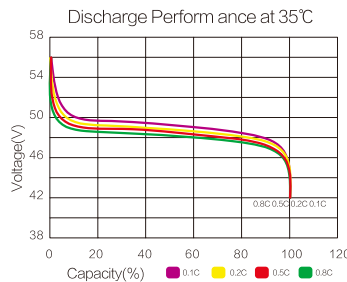


1. Earthing terminal
2. Positive and negative
3. communication interface(RJ45-RS485)
4. communication interface(RJ45-RS485)
5. address number(ID)
6. alarm light(ALM)
7. run light(RUN)
8. Reset system(Reset)
9. switch(ON/OFF)



Battery Specification

Nominal Characteristics	
Nominal Voltage /V	48
Nominal Capacity /Ah (35° C , 0.2C)	≥40
Mechanical characteristics	
Weight (approximate)/Kg	20±0.3
Dimension L*W*H /mm	442*350*88mm
Terminal	M6
Electrical characteristics	
Voltage window/V	42 to 54
Float charge voltage/V	51.8
Max. continue charge current/A	30
Max. continue discharge current/A	35
Max. Pulse discharge current/A	40A 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 35°C
Safety standard	



M-LFP48V40AH				
Discharge constant current(Amperes at 77° F,35°C)				
Eon Point Volts/Cell	0.1C	0.2C	0.5C	1C
Time	Hours			
46.5	9.85	5.01	2.01	1.10
45.0	10.05	5.13	2.06	1.16
43.5	10.16	5.20	2.10	1.18
42.0				