

Overview

M-LFP 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

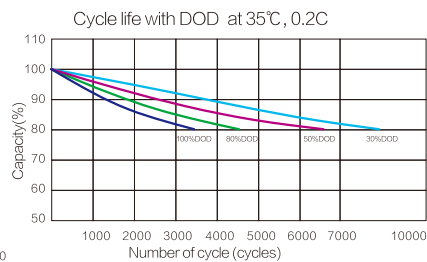
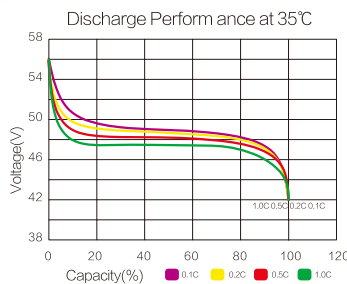


- 1、 communication interface(DB9-RS485)
- 2、 communication interface(RJ45-RS485)
- 3、 address number(ID)
- 4、 battery capacity(SOC)
- 5、 alarm light(ALM)
- 6、 run light(RUN)
- 7、 dry contact(DO)
- 8、 Reset system(Reset)
- 9、 switch(ON/OFF)
- 10、 Earthing terminal



Battery Specification

| Nominal Characteristics | |
|-------------------------------------|--|
| Nominal Voltage /V | 48 |
| Nominal Capacity /Ah (35° C , 0.2C) | ≥20 |
| Mechanical characteristics | |
| Weight (approximate)/Kg | 12.2±0.3 |
| Dimension L*W*H /mm | 442*285*88mm |
| Terminal | M6 |
| Electrical characteristics | |
| Voltage window/V | 42 to 54 |
| Float charge voltage/V | 51.8 |
| Max. continue charge current/A | 10 |
| Max. continue discharge current/A | 20 |
| Max. Pulse discharge current/A | 25A 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 |



| M-LFP48V20AH | | | | |
|---|-------|------|------|------|
| 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 | 4.90 | 1.96 | 0.81 |
| 45.0 | 10.03 | 5.00 | 2.03 | 0.98 |
| 43.5 | 10.15 | 5.06 | 2.06 | 1.00 |
| 42.0 | 10.23 | 5.10 | 2.08 | 1.03 |