



VISION GROUP
Shenzhen Center Power
Tech.Co.Ltd.,

Lithium Iron Phosphate Battery

V-LFP48V20Ah

Overview

Vision Technology provides safe lithium iron phosphate battery solutions for Telecom and Energy storage system. The V-LFP48V20Ah lithium iron phosphate battery system serves for Telecom and Energy storage system with perfect compatibility and long cycle life.

Features

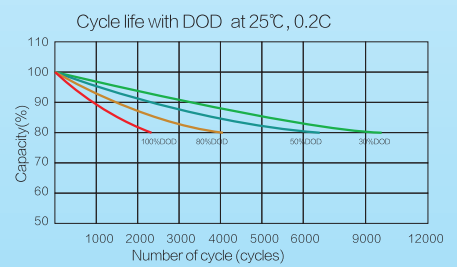
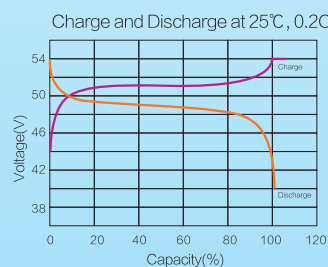
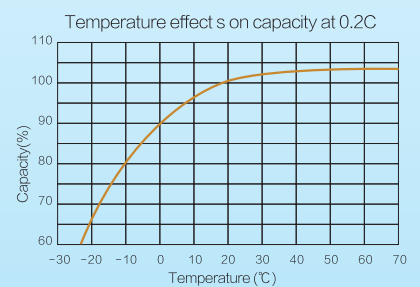
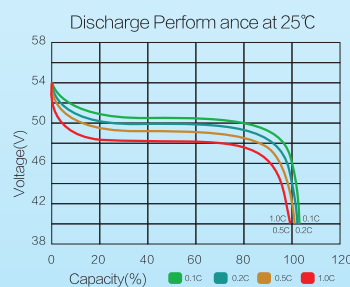
- RS232,RS485 communication output for monitoring
- Built-in BMS with Charging current limitation
- Built-in automatic protection for over-charge, over-discharge and over-temperature conditions
- State of charge and state of health indication
- Built-in battery control for efficient operation
- Internal cell balancing
- Compatible with standard Telecom rectifiers and Energy storage system
- DO interface for customized dry contact signal
- PRO interface for upgrading BMS firmware
- Customized BMS functions and parameters
- Maintenance free

Battery Panel



Battery Specification

| Nominal Characteristics | |
|-------------------------------------|---|
| Nominal Voltage /V | 48 |
| Nominal Capacity /Ah (25° C , 0.2C) | 20Ah |
| Mechanical characteristics | |
| Weight (approximate)/Kg | 13.6±0.2 |
| Dimension L*W*H /mm | 442*285*88 |
| Terminal | DSTB8-2-2-M5 |
| Electrical characteristics | |
| Working voltage range/V | 42 to 54 |
| Recommended charging voltage/V | 53.5 to 54 |
| Charging current limitation/A | Max.5A |
| Max. continue discharge current/A | 20 |
| Max. peak discharge current/A | 23A for 30Sec. |
| Discharging Cut-off voltage/V | 42 |
| Operating conditions | |
| Cycle life (+25°C 0.2C 80%DOD) | ≥4000 Cycles |
| Round trip efficiency(%) | >98% |
| Operating temperature | Discharge -30°C to 60°C Charge -20°C to 60°C |
| Storage temperature | -5°C to 55°C |
| Storage duration | 12 months +20°C |
| Safety standard | UL1642 at cell level |



Vision provides all customized lithium battery solutions.