Lithium Iron Phosphate Battery
V-LFP48V40Ah

Overview
Vision Technology provides safe lithium iron phosphate battery solutions for Telecom and Energy storage system. The V-LFP48V40Ah 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): 40Ah

Mechanical characteristics
- Weight (approximate)/Kg: 27 ±0.3
- Dimension L*W*H /mm: 442*400*88
- Terminal: DSTB22-2-2-M6

Electrical characteristics
- Working voltage range/V: 42 to 54
- Recommended charging voltage/V: 53.5 to 54
- Charging current limitation/VA: Max. 10A
- Max. continue discharge current/A: 40
- Max. peak discharge current/A: 44A for 30Sec.
- Discharging Cut-off voltage/V: 42

Operating conditions
- Cycle life (+20°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.