



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

# Lithium Iron Phosphate Battery

## V-LFP48V50Ah

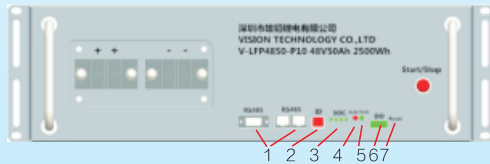
### Overview

Vision Technology provides safe lithium iron phosphate battery solutions for Telecom and Energy storage system. The V-LFP48V50Ah lithium iron phosphate battery system serves for Telecom and Energy storage system with perfect compatibility and long cycle life.

### Features

- 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
- Customized BMS functions and parameters
- Maintenance free

### Battery Panel

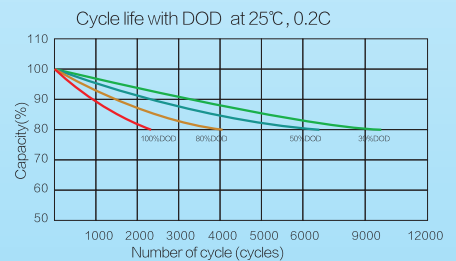
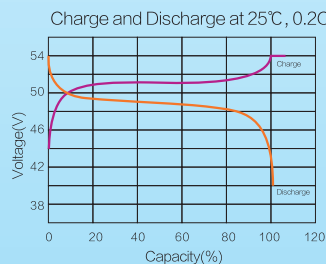
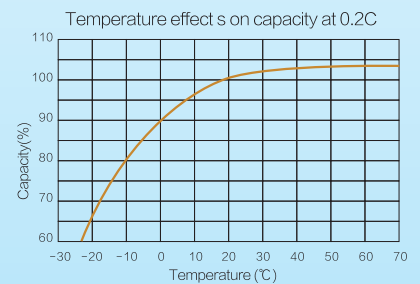
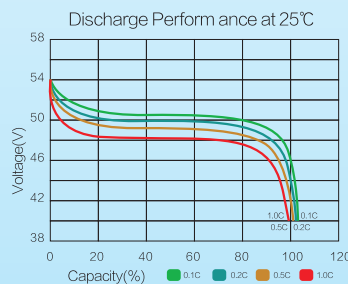


- 1, communication interface (RS485)
- 2, address number (ID)
- 3, battery capacity (SOC)
- 4, alarm light (ALM)
- 5, run light (RUN)
- 6, dry contact (DO)
- 7, Reset system (Reset)



### Battery Specification

Nominal Characteristics	
Nominal Voltage /V	48
Nominal Capacity /Ah (25° C , 0.2C)	50Ah
Mechanical characteristics	
Weight (approximate)/Kg	31±0.3
Dimension L*W*H /mm	442*440*134.5
Terminal	DSTB22-2-2-M6
Electrical characteristics	
Working voltage range/V	42 to 54
Recommended charging voltage/V	53.5 to 54
Recommended charging current /A	20
Max. continue discharge current/A	50
Max. peak discharge current/A	55A 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 -20°C to 45°C Charge 0°C to 45°C
Storage temperature	0°C to 45°C
Storage duration	12 months +20°C
Safety standard	UL1642 at cell level



*Vision provides all customized lithium battery solutions.*