



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

# Lithium Iron Phosphate Battery

## V-LFP48V100Ah

### Overview

Vision Technology provides safe lithium iron phosphate battery solutions for Telecom and Energy storage system. The V-LFP48V100Ah 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 function and parameters
- DO interface for customized dry contact signal
- Maintenance free

### Battery Panel

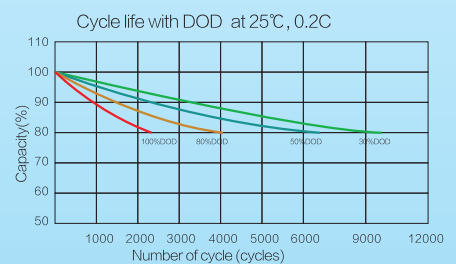
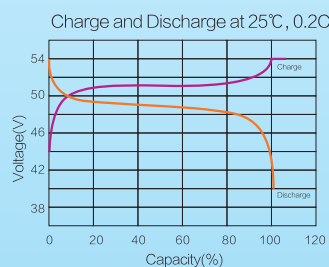
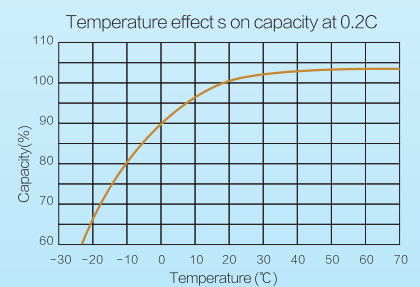
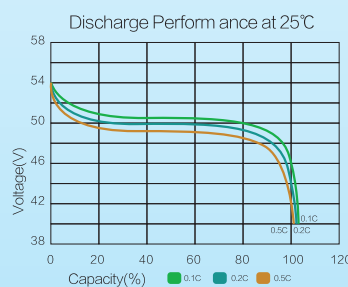


- 1、communication interface (RS485)
- 2、address number ( ID )
- 3、battery capacity ( SOC )
- 4、alarm light ( ALM )
- 5、run light ( RUN )
- 6、dry contact ( DO )
- 7、Reset system ( Reset )



### Battery Specification

Nominal Characteristics	
Nominal Voltage /V	48
Nominal Capacity /Ah (25° C , 0.2C)	100Ah
Mechanical characteristics	
Weight (approximate)/Kg	56±0.5
Dimension L*W*H /mm	442*520*205
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	30
Max. continue discharge current/A	50
Max. peak discharge current/A	100A for 50Sec.
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.*