



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

Lithium Iron Phosphate Battery

V-LFP48V40Ah

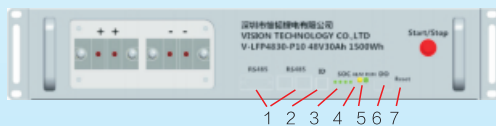
Overview

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

- 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

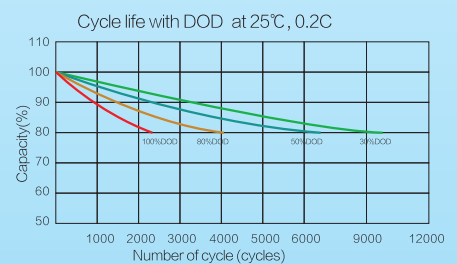
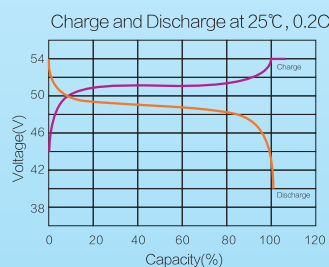
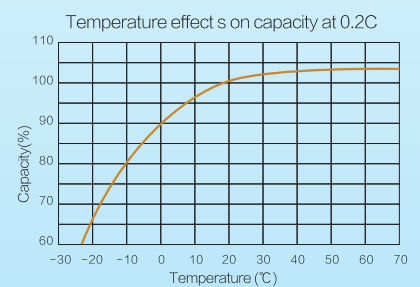
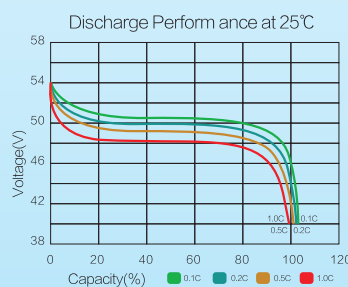


1. communication interface (RS485)
2. address number (ID)
3. battery capacity (SOC)
4. alarm light (ALM)
5. run light (RUN)
6. dry contact (DO)
7. Reset system (Reset)



Battery Specification

Nominal Characteristics	
Nominal Voltage /V	48
Nominal Capacity /Ah (25° C , 0.2C)	40Ah
Mechanical characteristics	
Weight (approximate)/Kg	27 ± 0.3
Dimension L*W*H /mm	442*430*88
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	40
Max. peak discharge current/A	45A 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.