



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

Lithium Iron Phosphate Battery

V-LFP48V10Ah

Version: V1.0
2017-02-13

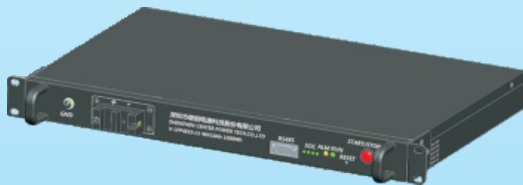
Overview

Vision Technology provides safe lithium iron phosphate battery solutions for Telecom and Energy storage system. The V-LFP48V10Ah lithium iron phosphate battery system serves for Telecom and Energy storage system with perfect compatibility and long cycle life.

Features

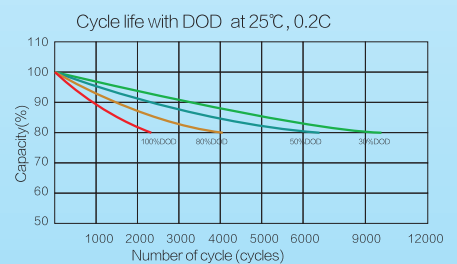
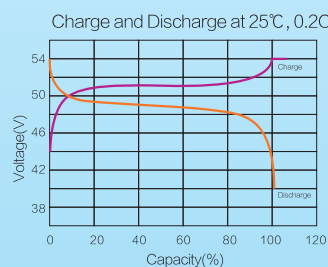
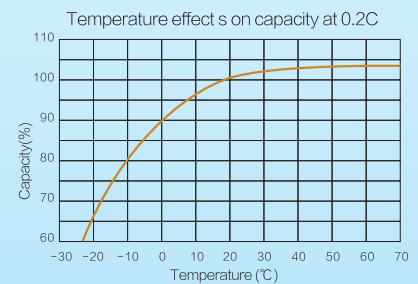
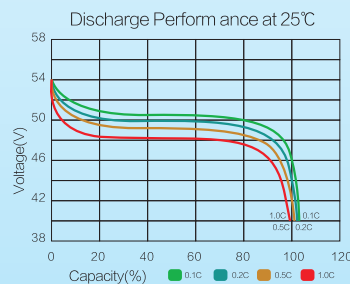
- RS485 communication output for monitoring
- Built-in BMS with Charging current limitation
- Built-in automatic protection for over-charge, over-discharge and over-temperature conditions
- State of charge and state of health indication
- Built-in battery control for efficient operation
- Internal cell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

Battery Panel



Battery Specification

Nominal Characteristics	
Nominal Voltage /V	48
Nominal Capacity /Ah (25° C , 0.2C)	10Ah
Mechanical characteristics	
Weight (approximate)/Kg	7.9±0.2
Dimension L*W*H /mm	442*285*44
Terminal	DSTB8-2-M6
Electrical characteristics	
Working voltage range/V	42 to 54
Recommended charging voltage/V	53.5 to 54
Recommended charge current/V	5
Max. continue discharge current/A	10
Max. peak discharge current/A	12A 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.



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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

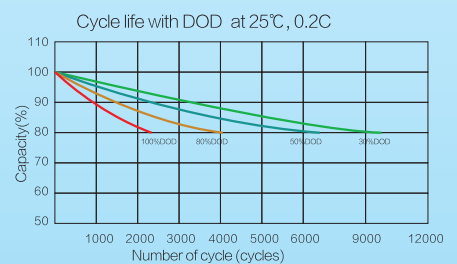
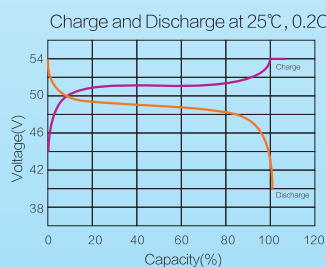
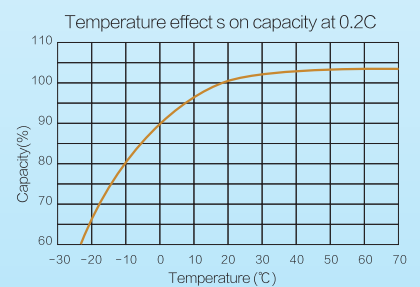
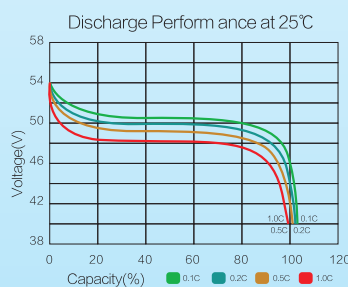
- RS232,RS485 communication output for monitoring
- Built-in BMS with Charging current limitation
- Built-in automatic protection for over-charge, over-discharge and over-temperature conditions
- State of charge and state of health indication
- Built-in battery control for efficient operation
- Internal 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-M6
Electrical characteristics	
Working voltage range/V	42 to 54
Recommended charging voltage/V	53.5 to 54
Recommended charge current/V	10
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



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Lithium Iron Phosphate Battery

V-LFP48V30Ah

Version: V1.0
2017-02-13

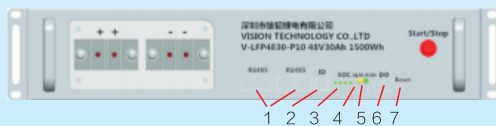
Overview

Vision Technology provides safe lithium iron phosphate battery solutions for Telecom and Energy storage system. The V-LFP48V30Ah 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

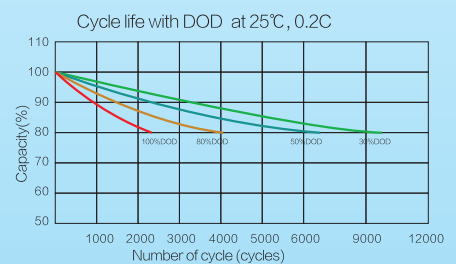
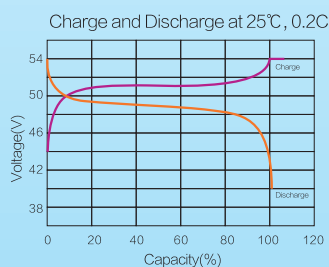
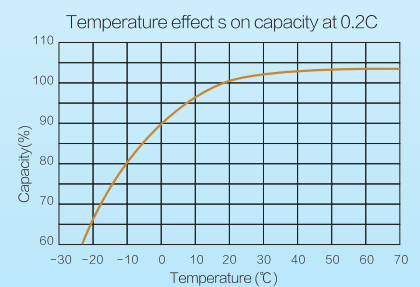
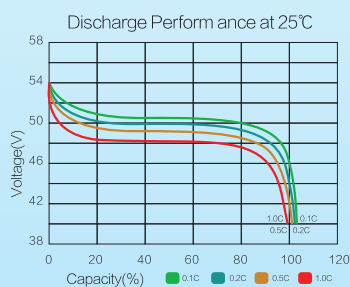


1. communication interface (RS485)
2. address number (ID)
3. battery capacity (SOC)
4. alarm light (ALM)
5. run light (RUN)
6. dry contact (DO)
7. Reset system (Reset)



Battery Specification

Nominal Characteristics	
Nominal Voltage /V	48
Nominal Capacity /Ah (25° C , 0.2C)	30Ah
Mechanical characteristics	
Weight (approximate)/Kg	22±0.3
Dimension L*W*H /mm	442*370*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	15
Max. continue discharge current/A	30
Max. peak discharge current/A	35A 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



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Lithium Iron Phosphate Battery

V-LFP48V40Ah

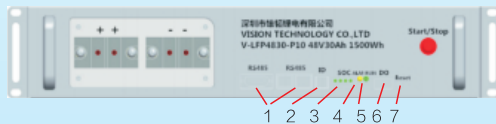
Overview

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

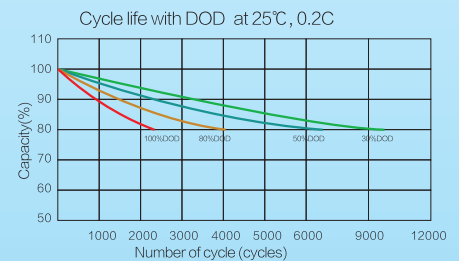
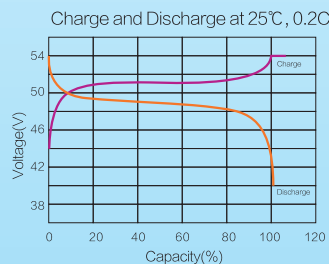
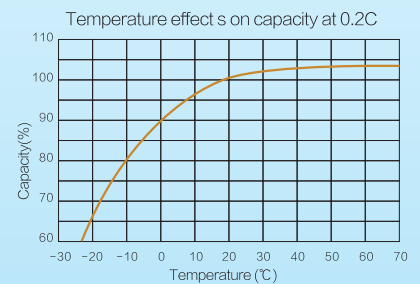
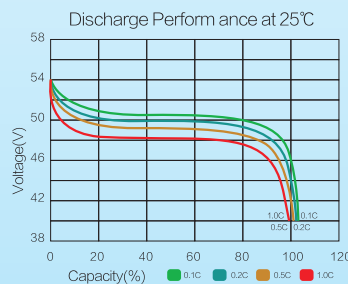


1. communication interface (RS485)
2. address number (ID)
3. battery capacity (SOC)
4. alarm light (ALM)
5. run light (RUN)
6. dry contact (DO)
7. Reset system (Reset)



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



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Lithium Iron Phosphate Battery

V-LFP48V50Ah

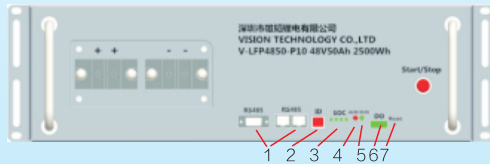
Overview

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

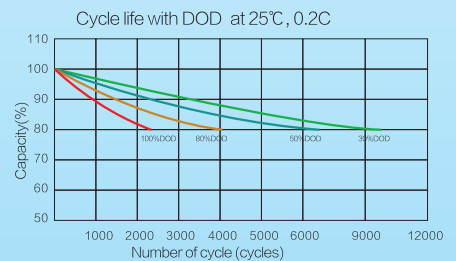
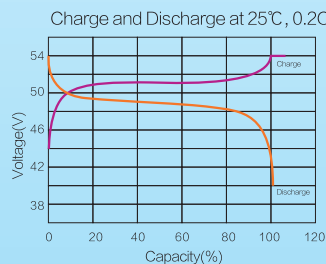
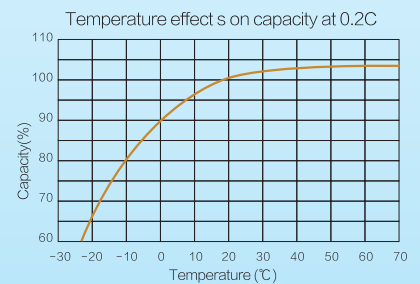
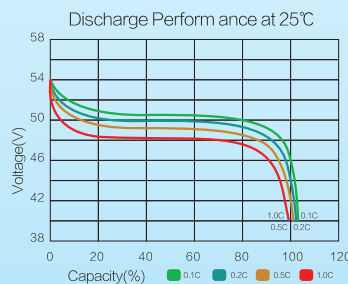


1. communication interface (RS485)
2. address number (ID)
3. battery capacity (SOC)
4. alarm light (ALM)
5. run light (RUN)
6. dry contact (DO)
7. Reset system (Reset)



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



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Lithium Iron Phosphate Battery

V-LFP48V60Ah

Overview

Vision Technology provides safe lithium iron phosphate battery solutions for Telecom and Energy storage system. The V-LFP48V60Ah lithium iron phosphate battery system serves for Telecom and Energy storage system with perfect compatibility and long cycle life.

Features

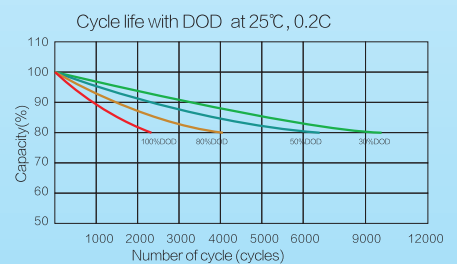
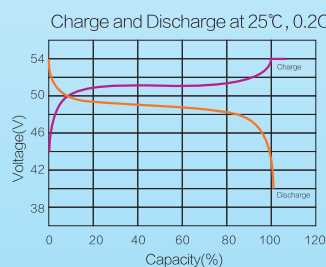
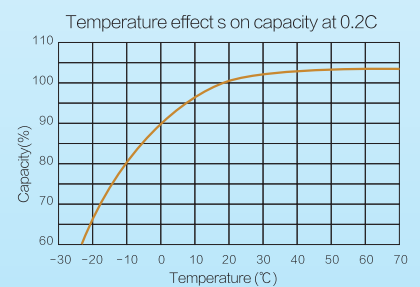
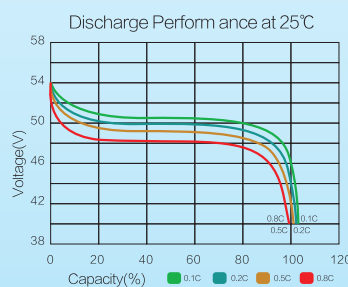
- RS232,RS485 communication output for monitoring
- Built-in BMS with Charging current limitation
- Built-in automatic protection for over-charge, over-discharge and over-temperature conditions
- State of charge and state of health indication
- Built-in battery control for efficient operation
- Internal 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)	60Ah
Mechanical characteristics	
Weight (approximate)/Kg	39±0.3
Dimension L*W*H /mm	442*465*132
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/A	Max.30A
Max. continue discharge current/A	50
Max. peak discharge current/A	55A 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



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Lithium Iron Phosphate Battery

V-LFP48V75Ah

Version: V1.0
2017-02-13

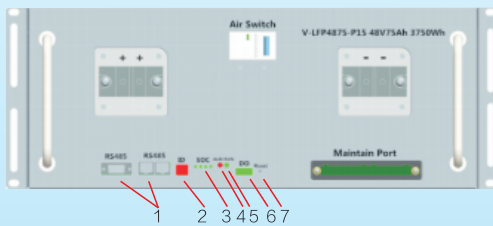
Overview

Vision Technology provides safe lithium iron phosphate battery solutions for Telecom and Energy storage system. The V-LFP48V75Ah lithium iron phosphate battery system serves for Telecom and Energy storage system with perfect compatibility and long cycle life.

Features

- RS485/232 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

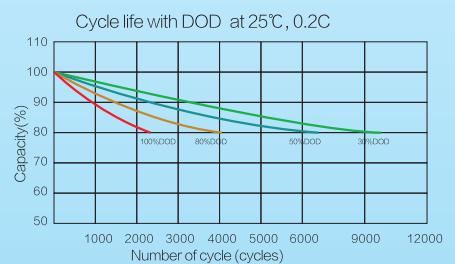
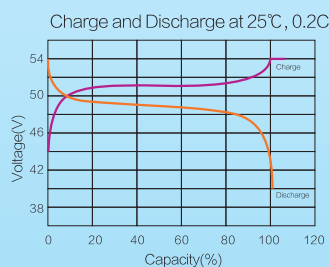
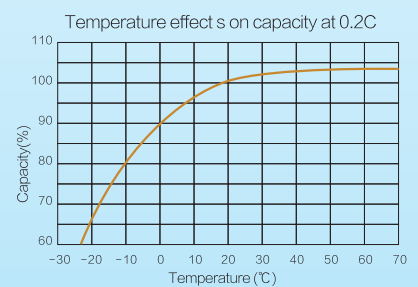
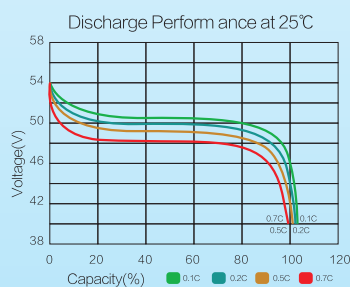


1. communication interface (RS485)
2. address number (ID)
3. battery capacity (SOC)
4. alarm light (ALM)
5. run light (RUN)
6. dry contact (DO)
7. Reset system (Reset)



Battery Specification

Nominal Characteristics	
Nominal Voltage /V	48
Nominal Capacity /Ah (25° C , 0.2C)	75Ah
Mechanical characteristics	
Weight (approximate)/Kg	41±0.3
Dimension L*W*H /mm	442*400*177
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	75
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



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Lithium Iron Phosphate Battery

V-LFP48V80Ah

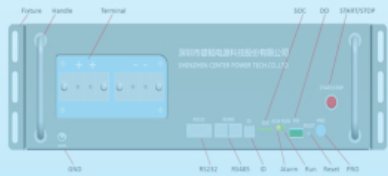
Overview

Vision Technology provides safe lithium iron phosphate battery solutions for Telecom and Energy storage system. The V-LFP48V80Ah lithium iron phosphate battery system serves for Telecom and Energy storage system with perfect compatibility and long cycle life.

Features

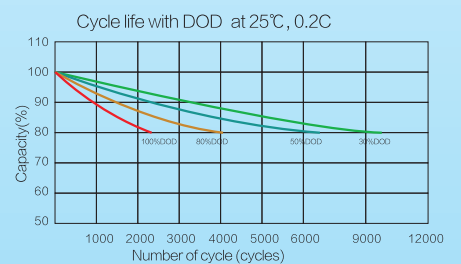
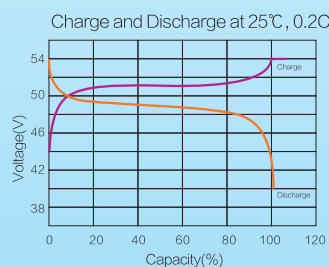
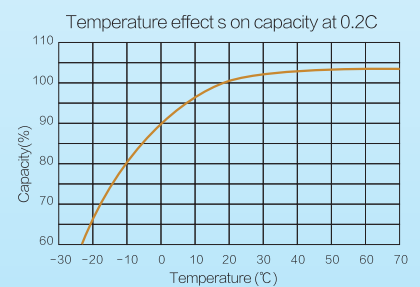
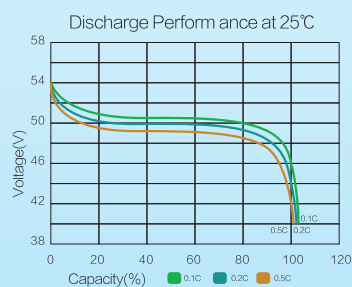
- RS232,RS485 communication output for monitoring
- Built-in BMS with Charging current limitation
- Built-in automatic protection for over-charge, over-discharge and over-temperature conditions
- State of charge and state of health indication
- Built-in battery control for efficient operation
- Internal 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)	80Ah
Mechanical characteristics	
Weight (approximate)/Kg	48±0.4
Dimension L*W*H /mm	442*400*182
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/A	Max.30A
Max. continue discharge current/A	50
Max. peak discharge current/A	55A 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



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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

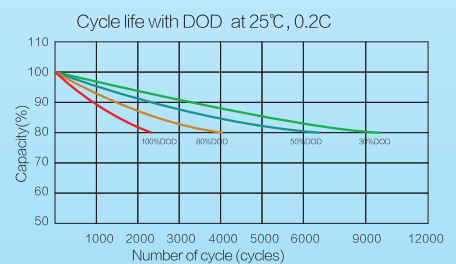
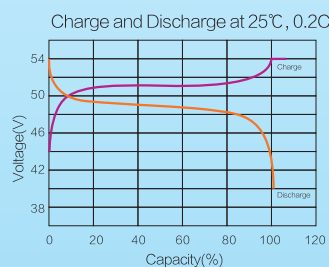
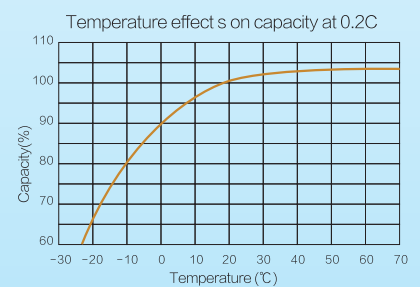
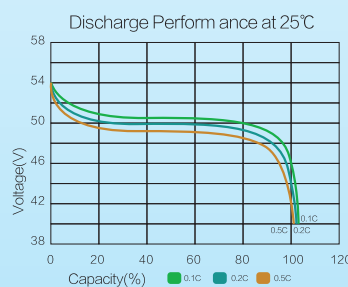


- 1、communication interface (RS485)
- 2、address number (ID)
- 3、battery capacity (SOC)
- 4、alarm light (ALM)
- 5、run light (RUN)
- 6、dry contact (DO)
- 7、Reset system (Reset)



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	75
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.