



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

# Lithium Iron Phosphate Battery

## V-LFP12V4.5Ah

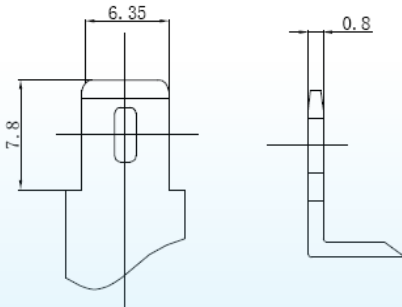
### Overview

The V-LFP12V4.5AH rechargeable battery is optimized for low rate application which require high energy density.

### Features

- High energy density
- Automatic protection with battery manager system internally
- Low self-discharge
- Long cycle life
- Excellent performance in all the operating temperature

### Terminal

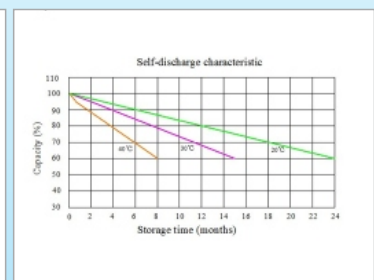
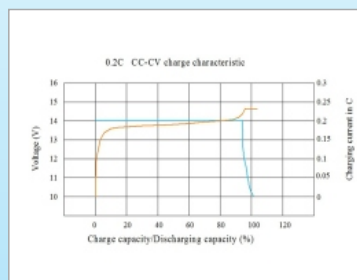
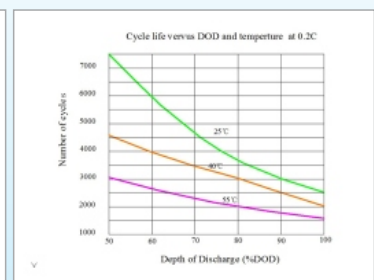
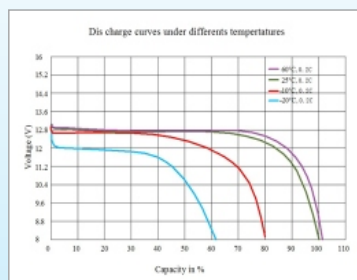


F2



### Battery Specification

Nominal Characteristics	
Nominal Voltage /V	12.8
Nominal Capacity /Ah (25° C , 0.2C)	≥4.35
Mechanical characteristics	
Weight (approximate)/Kg	0.6
Dimension L*W*H /mm	90*70*107
Terminal	F2
Electrical characteristics	
Voltage window/V	9.2 to 14.6
Float charge voltage/V	13.8
Max. continue discharge current/A	10
Max. permanent discharge current/A	25A 10Sec.
Max. continue charge current/A	4.5
Operating conditions	
Cycle life (+20°C 0.2C 100%DOD)	>2500 Cycles
Operating temperature	Discharge -30°C to 60°C; Charge 0°C to 60°C
Storage temperature	0 to 30°C
Storage duration	12 months at 25°C
Safety standard	UI1642 at cell level





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# Lithium Iron Phosphate Battery

## V-LFP12V6Ah

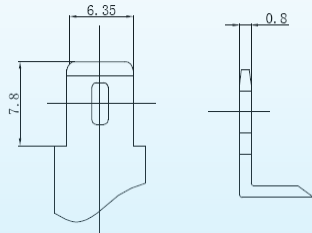
### Overview

The V-LFP12V6AH rechargeable battery is optimized for low rate application which require high energy density.

### Features

- High energy density
- Automatic protection with battery manager system internally
- Low self-discharge
- Long cycle life
- Excellent performance in all the operating temperature

### Terminal

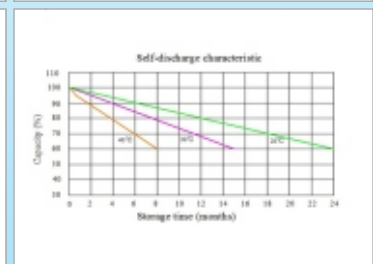
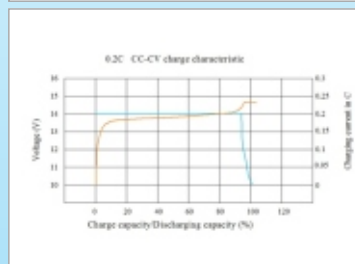
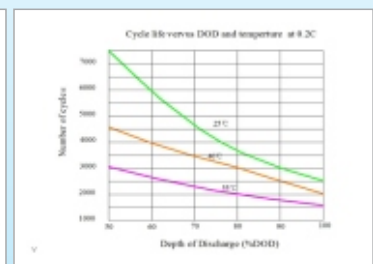
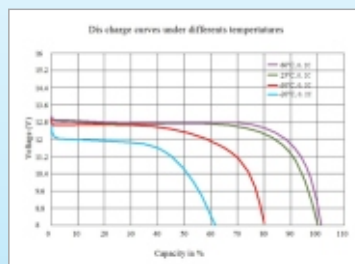


F2



### Battery Specification

Nominal Characteristics	
Nominal Voltage /V	12.8
Nominal Capacity /Ah (25° C , 0.2C)	≥5.8
Mechanical characteristics	
Weight (approximate)/Kg	0.8
Dimension L*W*H /mm	90*70*107
Terminal	F2
Electrical characteristics	
Voltage window/V	9.2 to 14.6
Float charge voltage/V	13.8
Max. continue discharge current/A	10
Max. permanent discharge current/A	25A 10Sec.
Max. continue charge current/A	6
Operating conditions	
Cycle life (+20°C 0.2C 100%DOD)	>2500 Cycles
Operating temperature	Discharge -30°C to 60°C; Charge 0°C to 60°C
Storage temperature	0 to 30°C
Storage duration	12 months at 25°C
Safety standard	UL1642 at cell level





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# Lithium Iron Phosphate Battery

## V-LFP12V7.5Ah

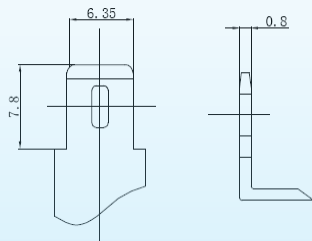
### Overview

The V-LFP12V7.5AH rechargeable battery is optimized for low rate application which require high energy density.

### Features

- High energy density
- Automatic protection with battery manager system internally
- Low self-discharge
- Long cycle life
- Excellent performance in all the operating temperature

### Terminal

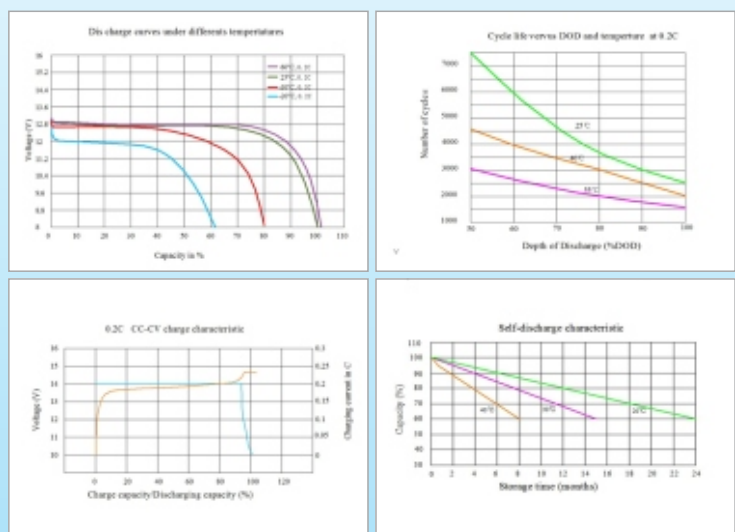


F2



### Battery Specification

Nominal Characteristics	
Nominal Voltage /V	12.8
Nominal Capacity /Ah (25° C , 0.2C)	≥7.5
Mechanical characteristics	
Weight (approximate)/Kg	1.25
Dimension L*W*H /mm	151*65*100
Terminal	F2
Electrical characteristics	
Voltage window/V	9.2 to 14.6
Float charge voltage/V	13.8
Max. continue discharge current/A	20
Max. permanent discharge current/A	35A 10Sec.
Max. continue charge current/A	7.5
Operating conditions	
Cycle life (+20°C 0.2C 100%DOD)	>2500 Cycles
Operating temperature	Discharge -30°C to 60°C; Charge 0°C to 60°C
Storage temperature	0 to 30°C
Storage duration	12 months at 25°C
Safety standard	UL1642 at cell level





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# Lithium Iron Phosphate Battery

## V-LFP12V8.5Ah

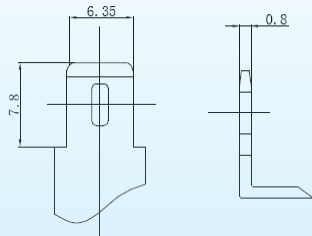
### Overview

The V-LFP12V8.5AH rechargeable battery is optimized for low rate application which require high energy density.

### Features

- High energy density
- Automatic protection with battery manager system internally
- Low self-discharge
- Long cycle life
- Excellent performance in all the operating temperature

### Terminal

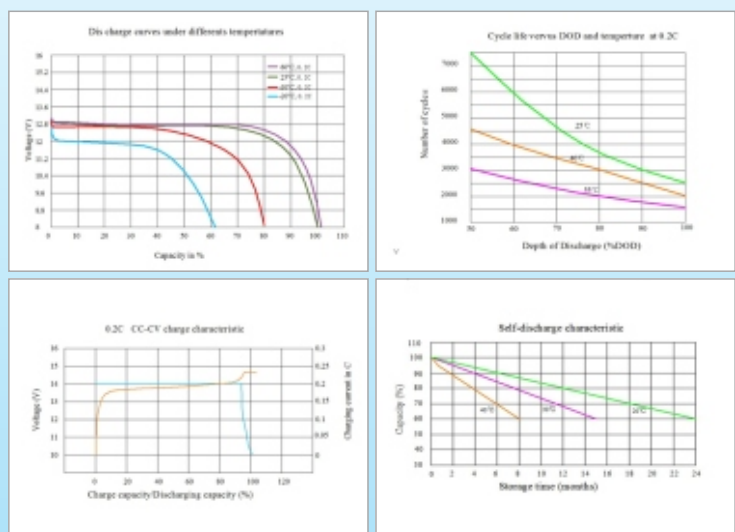


F2



### Battery Specification

Nominal Characteristics	
Nominal Voltage /V	12.8
Nominal Capacity /Ah (25° C , 0.2C)	≥8.5
Mechanical characteristics	
Weight (approximate)/Kg	1.35
Dimension L*W*H /mm	151*65*100
Terminal	F2
Electrical characteristics	
Voltage window/V	9.2 to 14.6
Float charge voltage/V	13.8
Max. continue discharge current/A	20
Max. permanent discharge current/A	35A 10Sec.
Max. continue charge current/A	8.5
Operating conditions	
Cycle life (+20°C 0.2C 100%DOD)	>2500 Cycles
Operating temperature	Discharge -30°C to 60°C; Charge 0°C to 60°C
Storage temperature	0 to 30°C
Storage duration	12 months at 25°C
Safety standard	UL1642 at cell level





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# Lithium Iron Phosphate Battery

## V-LFP12V9Ah

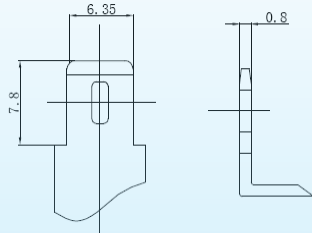
### Overview

The V-LFP12V9AH rechargeable battery is optimized for low rate application which require high energy density.

### Features

- High energy density
- Automatic protection with battery manager system internally
- Low self-discharge
- Long cycle life
- Excellent performance in all the operating temperature

### Terminal

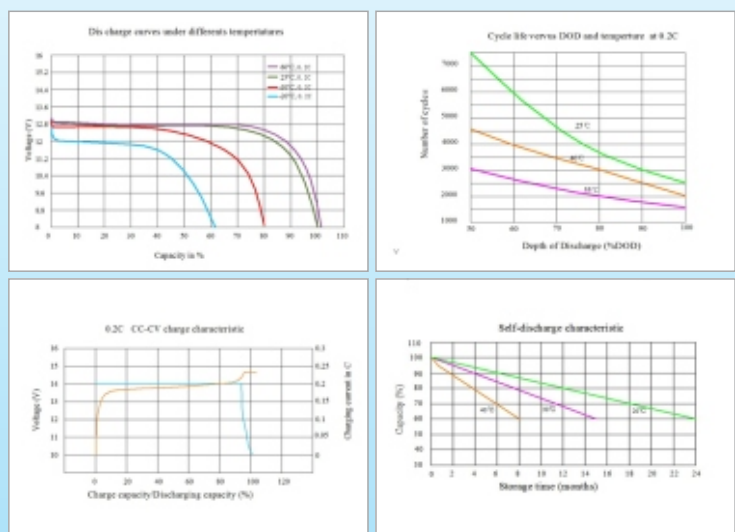


F2



### Battery Specification

Nominal Characteristics	
Nominal Voltage /V	12.8
Nominal Capacity /Ah (25° C , 0.2C)	≥9
Mechanical characteristics	
Weight (approximate)/Kg	1.42
Dimension L*W*H /mm	151*65*100
Terminal	F2
Electrical characteristics	
Voltage window/V	9.2 to 14.6
Float charge voltage/V	13.8
Max. continue discharge current/A	20
Max. permanent discharge current/A	35A 10Sec.
Max. continue charge current/A	9
Operating conditions	
Cycle life (+20°C 0.2C 100%DOD)	>2500 Cycles
Operating temperature	Discharge -30°C to 60°C; Charge 0°C to 60°C
Storage temperature	0 to 30°C
Storage duration	12 months at 25°C
Safety standard	UL1642 at cell level





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# Lithium Iron Phosphate Battery

## V-LFP12V10Ah

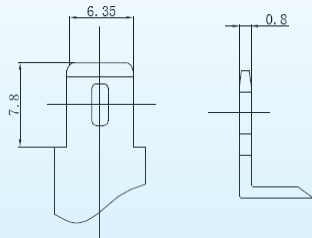
### Overview

The V-LFP12V10AH rechargeable battery is optimized for low rate application which require high energy density.

### Features

- High energy density
- Automatic protection with battery manager system internally
- Low self-discharge
- Long cycle life
- Excellent performance in all the operating temperature

### Terminal

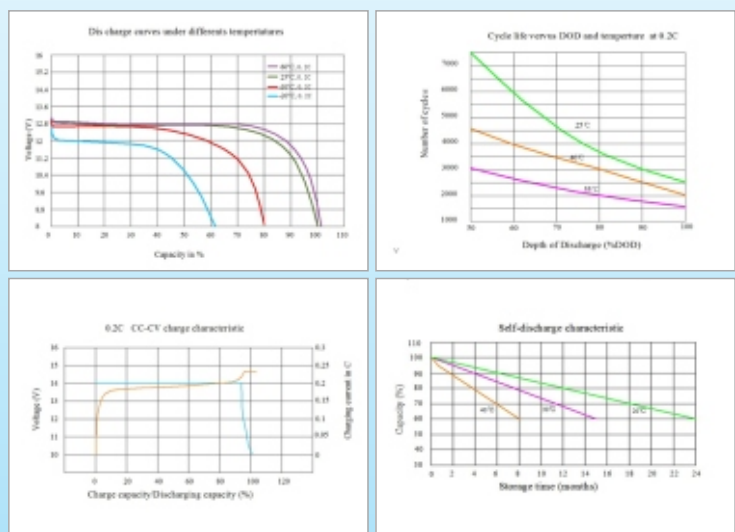


F2



### Battery Specification

Nominal Characteristics	
Nominal Voltage /V	12.8
Nominal Capacity /Ah (25° C , 0.2C)	≥10
Mechanical characteristics	
Weight (approximate)/Kg	1.5
Dimension L*W*H /mm	151*65*100
Terminal	F2
Electrical characteristics	
Voltage window/V	9.2 to 14.6
Float charge voltage/V	13.8
Max. continue discharge current/A	20
Max. permanent discharge current/A	35A 10Sec.
Max. continue charge current/A	10
Operating conditions	
Cycle life (+20°C 0.2C 100%DOD)	>2500 Cycles
Operating temperature	Discharge -30°C to 60°C; Charge 0°C to 60°C
Storage temperature	0 to 30°C
Storage duration	12 months at 25°C
Safety standard	UI1642 at cell level







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# Lithium Iron Phosphate Battery

## V-LFP12V15Ah

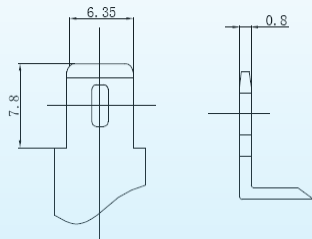
### Overview

The V-LFP12V15AH rechargeable battery is optimized for low rate application which require high energy density.

### Features

- High energy density
- Automatic protection with battery manager system internally
- Low self-discharge
- Long cycle life
- Excellent performance in all the operating temperature

### Terminal

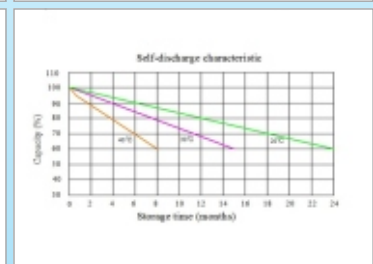
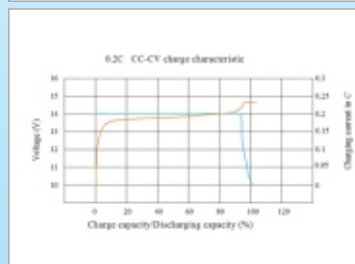
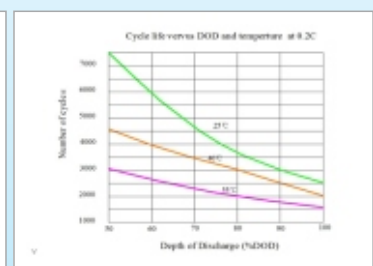
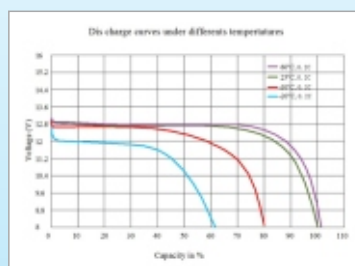


F2



### Battery Specification

Nominal Characteristics	
Nominal Voltage /V	12.8
Nominal Capacity /Ah (25° C , 0.2C)	≥14.5
Mechanical characteristics	
Weight (approximate)/Kg	1.9
Dimension L*W*H /mm	151*98*101
Terminal	F2
Electrical characteristics	
Voltage window/V	9.2 to 14.6
Float charge voltage/V	13.8
Max. continue discharge current/A	20
Max. permanent discharge current/A	35A 10Sec.
Max. continue charge current/A	15
Operating conditions	
Cycle life (+20°C 0.2C 100%DOD)	>2500 Cycles
Operating temperature	Discharge -30°C to 60°C; Charge 0°C to 60°C
Storage temperature	0 to 30°C
Storage duration	12 months at 25°C
Safety standard	UI1642 at cell level





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# Lithium Iron Phosphate Battery

## V-LFP12V15Ah

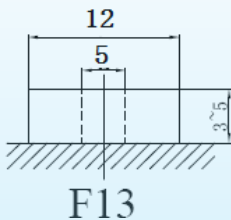
### Overview

The V-LFP12V15AH rechargeable battery is optimized for low rate application which require high energy density.

### Features

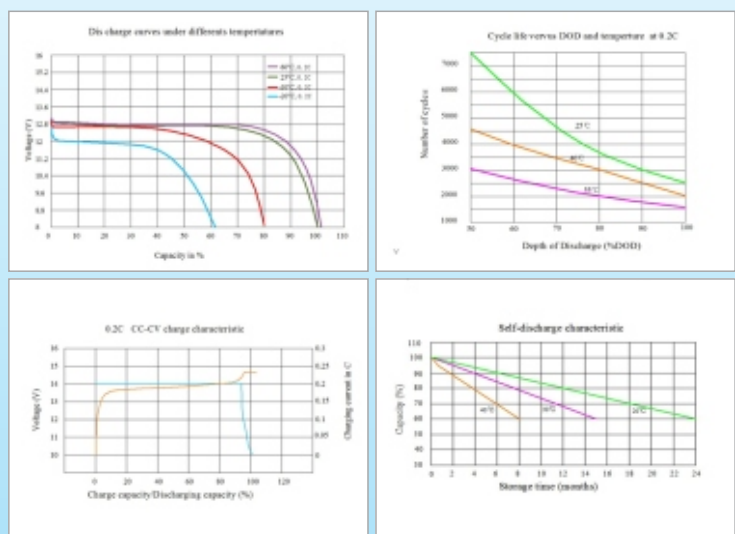
- High energy density
- Automatic protection with battery manager system internally
- Low self-discharge
- Long cycle life
- Excellent performance in all the operating temperature

### Terminal



### Battery Specification

Nominal Characteristics	
Nominal Voltage /V	12.8
Nominal Capacity /Ah (25° C , 0.2C)	≥15
Mechanical characteristics	
Weight (approximate)/Kg	2.65
Dimension L*W*H /mm	181*77*167
Terminal	F13
Electrical characteristics	
Voltage window/V	9.2 to 14.6
Float charge voltage/V	13.8
Max. continue discharge current/A	30
Max. permanent discharge current/A	80A 10Sec.
Max. continue charge current/A	15
Operating conditions	
Cycle life (+20°C 0.2C 100%DOD)	>2500 Cycles
Operating temperature	Discharge -30°C to 60°C; Charge 0°C to 60°C
Storage temperature	0 to 30°C
Storage duration	12 months at 25°C
Safety standard	UI1642 at cell level







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# Lithium Iron Phosphate Battery

## V-LFP12V17Ah

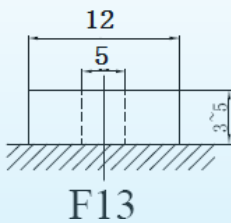
### Overview

The V-LFP12V17AH rechargeable battery is optimized for low rate application which require high energy density.

### Features

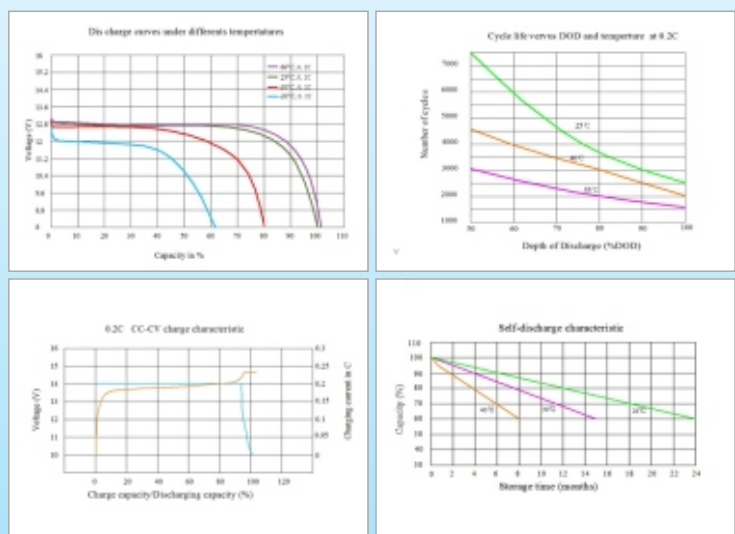
- High energy density
- Automatic protection with battery manager system internally
- Low self-discharge
- Long cycle life
- Excellent performance in all the operating temperature

### Terminal



### Battery Specification

Nominal Characteristics	
Nominal Voltage /V	12.8
Nominal Capacity /Ah (25° C , 0.2C)	≥17
Mechanical characteristics	
Weight (approximate)/Kg	2.82
Dimension L*W*H /mm	181*77*167
Terminal	F13
Electrical characteristics	
Voltage window/V	9.2 to 14.6
Float charge voltage/V	13.8
Max. continue discharge current/A	30
Max. permanent discharge current/A	80A 10Sec.
Max. continue charge current/A	15
Operating conditions	
Cycle life (+20°C 0.2C 100%DOD)	>2500 Cycles
Operating temperature	Discharge -30°C to 60°C; Charge 0°C to 60°C
Storage temperature	0 to 30°C
Storage duration	12 months at 25°C
Safety standard	UI1642 at cell level





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# Lithium Iron Phosphate Battery

## V-LFP12V18Ah

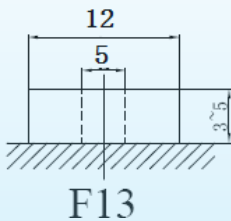
### Overview

The V-LFP12V18AH rechargeable battery is optimized for low rate application which require high energy density.

### Features

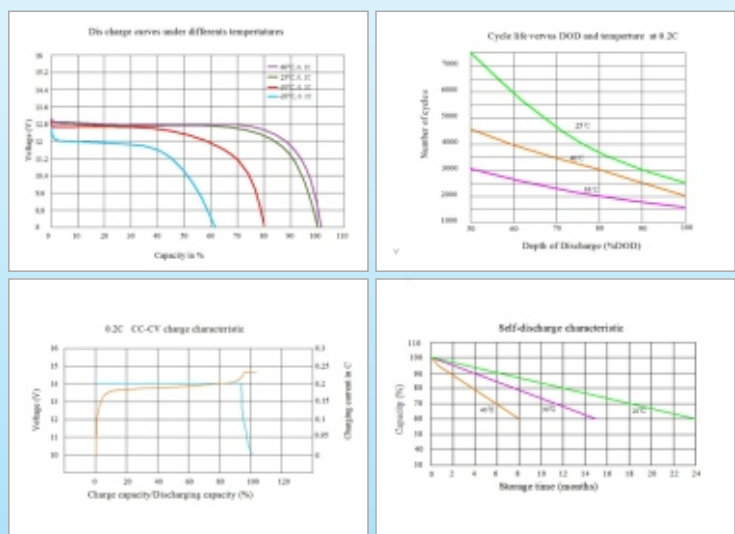
- High energy density
- Automatic protection with battery manager system internally
- Low self-discharge
- Long cycle life
- Excellent performance in all the operating temperature

### Terminal



### Battery Specification

Nominal Characteristics	
Nominal Voltage /V	12.8
Nominal Capacity /Ah (25° C , 0.2C)	≥18
Mechanical characteristics	
Weight (approximate)/Kg	3
Dimension L*W*H /mm	181*77*167
Terminal	F13
Electrical characteristics	
Voltage window/V	9.2 to 14.6
Float charge voltage/V	13.8
Max. continue discharge current/A	30
Max. permanent discharge current/A	80A 10Sec.
Max. continue charge current/A	15
Operating conditions	
Cycle life (+20°C 0.2C 100%DOD)	>2500 Cycles
Operating temperature	Discharge -30°C to 60°C; Charge 0°C to 60°C
Storage temperature	0 to 30°C
Storage duration	12 months at 25°C
Safety standard	UI1642 at cell level





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# Lithium Iron Phosphate Battery

## V-LFP12V20Ah

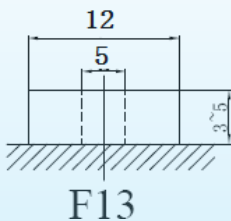
### Overview

The V-LFP12V20AH rechargeable battery is optimized for low rate application which require high energy density.

### Features

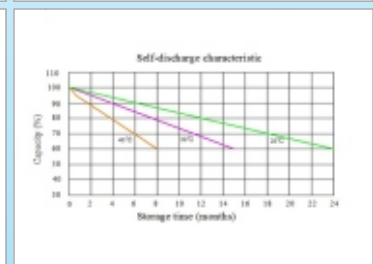
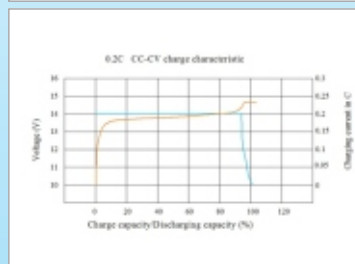
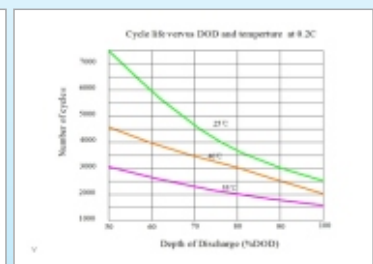
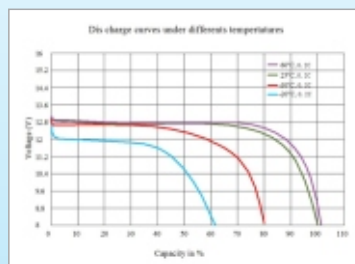
- High energy density
- Automatic protection with battery manager system internally
- Low self-discharge
- Long cycle life
- Excellent performance in all the operating temperature

### Terminal



### Battery Specification

Nominal Characteristics	
Nominal Voltage /V	12.8
Nominal Capacity /Ah (25° C , 0.2C)	≥19.8
Mechanical characteristics	
Weight (approximate)/Kg	3.2
Dimension L*W*H /mm	181*77*167
Terminal	F13
Electrical characteristics	
Voltage window/V	9.2 to 14.6
Float charge voltage/V	13.8
Max. continue discharge current/A	30
Max. permanent discharge current/A	80A 10Sec.
Max. continue charge current/A	15
Operating conditions	
Cycle life (+20°C 0.2C 100%DOD)	>2500 Cycles
Operating temperature	Discharge -30°C to 60°C; Charge 0°C to 60°C
Storage temperature	0 to 30°C
Storage duration	12 months at 25°C
Safety standard	UI1642 at cell level





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# Lithium Iron Phosphate Battery

## V-LFP12V25Ah

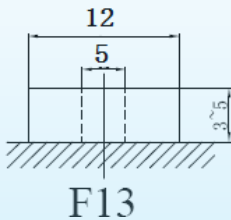
### Overview

The V-LFP12V25AH rechargeable battery is optimized for low rate application which require high energy density.

### Features

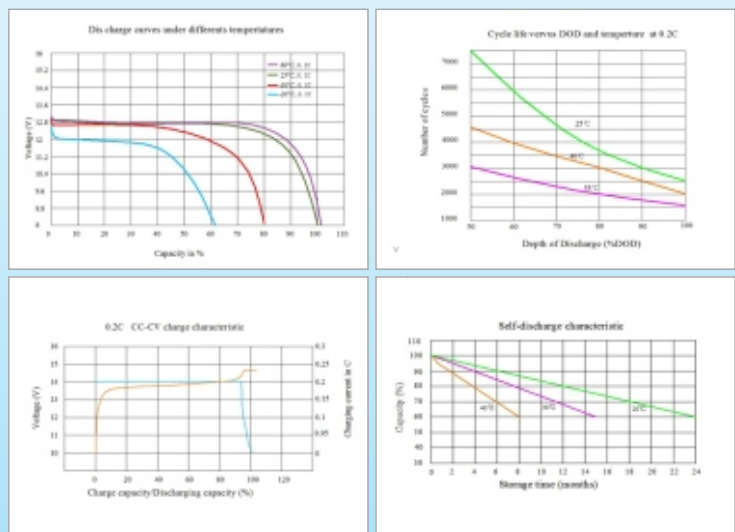
- High energy density
- Automatic protection with battery manager system internally
- Low self-discharge
- Long cycle life
- Excellent performance in all the operating temperature

### Terminal



### Battery Specification

Nominal Characteristics	
Nominal Voltage /V	12.8
Nominal Capacity /Ah (25° C , 0.2C)	≥25
Mechanical characteristics	
Weight (approximate)/Kg	4
Dimension L*W*H /mm	166*175*125
Terminal	F13
Electrical characteristics	
Voltage window/V	9.2 to 14.6
Float charge voltage/V	13.8
Max. continue discharge current/A	30
Max. permanent discharge current/A	80A 10Sec.
Max. continue charge current/A	20
Operating conditions	
Cycle life (+20°C 0.2C 100%DOD)	>2500 Cycles
Operating temperature	Discharge -30°C to 60°C; Charge 0°C to 60°C
Storage temperature	0 to 30°C
Storage duration	12 months at 25°C
Safety standard	UI1642 at cell level





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# Lithium Iron Phosphate Battery

## V-LFP12V30Ah

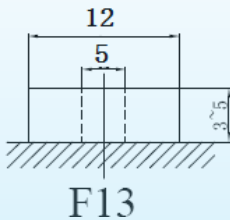
### Overview

The V-LFP12V30AH rechargeable battery is optimized for low rate application which require high energy density.

### Features

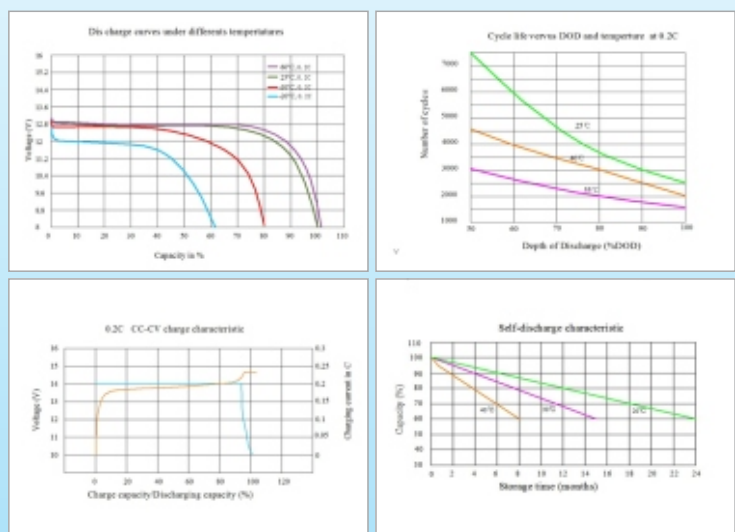
- High energy density
- Automatic protection with battery manager system internally
- Low self-discharge
- Long cycle life
- Excellent performance in all the operating temperature

### Terminal



### Battery Specification

Nominal Characteristics	
Nominal Voltage /V	12.8
Nominal Capacity /Ah (25° C , 0.2C)	≥30
Mechanical characteristics	
Weight (approximate)/Kg	4.6
Dimension L*W*H /mm	166*175*125
Terminal	F13
Electrical characteristics	
Voltage window/V	9.2 to 14.6
Float charge voltage/V	13.8
Max. continue discharge current/A	30
Max. permanent discharge current/A	80A 10Sec.
Max. continue charge current/A	20
Operating conditions	
Cycle life (+20°C 0.2C 100%DOD)	>2500 Cycles
Operating temperature	Discharge -30°C to 60°C; Charge 0°C to 60°C
Storage temperature	0 to 30°C
Storage duration	12 months at 25°C
Safety standard	UI1642 at cell level







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# Lithium Iron Phosphate Battery

## V-LFP12V40Ah

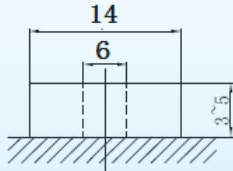
### Overview

The V-LFP12V40AH rechargeable battery is optimized for low rate application which require high energy density.

### Features

- High energy density
- Automatic protection with battery manager system internally
- Low self-discharge
- Long cycle life
- Excellent performance in all the operating temperature

### Terminal

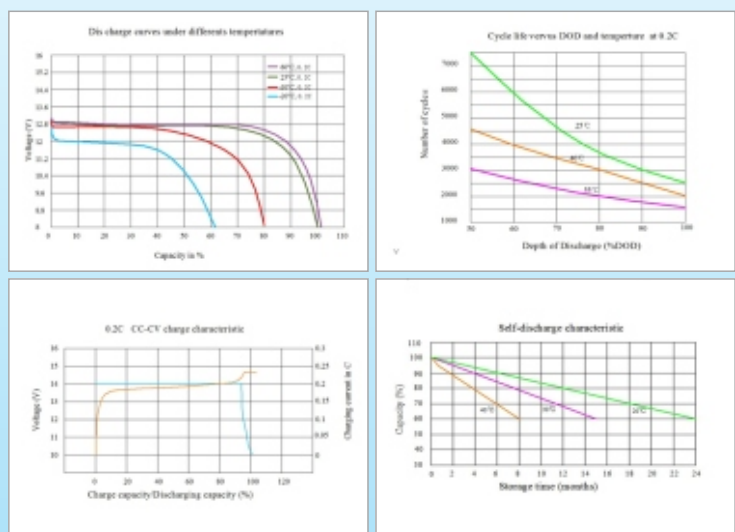


F11



### Battery Specification

Nominal Characteristics	
Nominal Voltage /V	12.8
Nominal Capacity /Ah (25° C , 0.2C)	≥40
Mechanical characteristics	
Weight (approximate)/Kg	6
Dimension L*W*H /mm	195*130*168
Terminal	F13
Electrical characteristics	
Voltage window/V	9.2 to 14.6
Float charge voltage/V	13.8
Max. continue discharge current/A	30
Max. permanent discharge current/A	80A 10Sec.
Max. continue charge current/A	20
Operating conditions	
Cycle life (+20°C 0.2C 100%DOD)	>2500 Cycles
Operating temperature	Discharge -30°C to 60°C; Charge 0°C to 60°C
Storage temperature	0 to 30°C
Storage duration	12 months at 25°C
Safety standard	UI1642 at cell level







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# Lithium Iron Phosphate Battery

## V-LFP12V50Ah

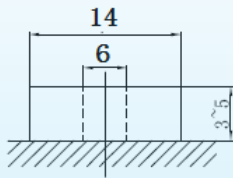
### Overview

The V-LFP12V50AH rechargeable battery is optimized for low rate application which require high energy density.

### Features

- High energy density
- Automatic protection with battery manager system internally
- Low self-discharge
- Long cycle life
- Excellent performance in all the operating temperature

### Terminal

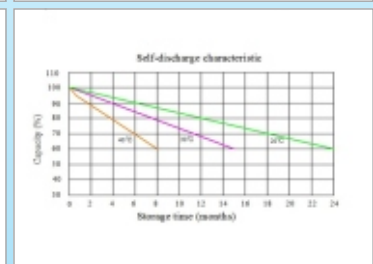
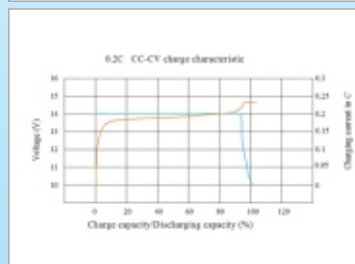
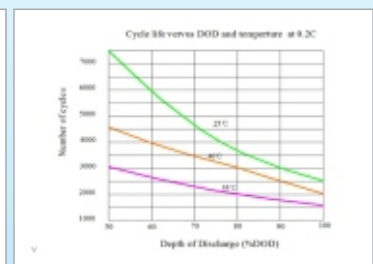
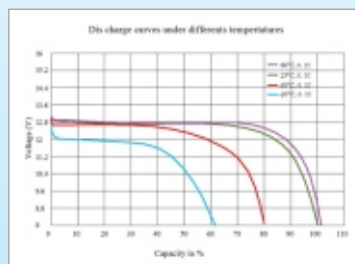


F11



### Battery Specification

Nominal Characteristics	
Nominal Voltage /V	12.8
Nominal Capacity /Ah (25° C , 0.2C)	≥50
Mechanical characteristics	
Weight (approximate)/Kg	7
Dimension L*W*H /mm	229*138*213
Terminal	F11
Electrical characteristics	
Voltage window/V	9.2 to 14.6
Float charge voltage/V	13.8
Max. continue discharge current/A	50
Max. permanent discharge current/A	100A 10Sec.
Max. continue charge current/A	50
Operating conditions	
Cycle life (+20°C 0.2C 100%DOD)	>2500 Cycles
Operating temperature	Discharge -30°C to 60°C; Charge 0°C to 60°C
Storage temperature	0 to 30°C
Storage duration	12 months at 25°C
Safety standard	UI1642 at cell level





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# Lithium Iron Phosphate Battery

## V-LFP12V55Ah

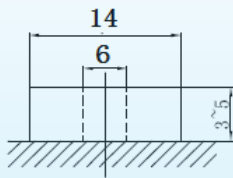
### Overview

The V-LFP12V55AH rechargeable battery is optimized for low rate application which require high energy density.

### Features

- High energy density
- Automatic protection with battery manager system internally
- Low self-discharge
- Long cycle life
- Excellent performance in all the operating temperature

### Terminal

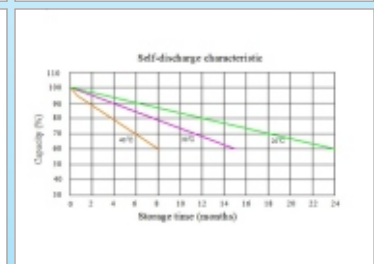
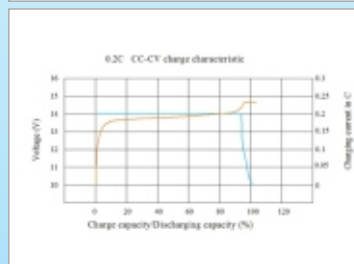
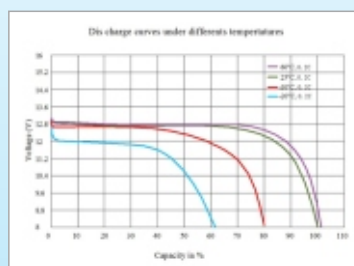


F11



### Battery Specification

Nominal Characteristics	
Nominal Voltage /V	12.8
Nominal Capacity /Ah (25° C , 0.2C)	≥54
Mechanical characteristics	
Weight (approximate)/Kg	7.5
Dimension L*W*H /mm	229*138*213
Terminal	F11
Electrical characteristics	
Voltage window/V	9.2 to 14.6
Float charge voltage/V	13.8
Max. continue discharge current/A	30
Max. permanent discharge current/A	80A 10Sec.
Max. continue charge current/A	30
Operating conditions	
Cycle life (+20°C 0.2C 100%DOD)	>2500 Cycles
Operating temperature	Discharge -30°C to 60°C; Charge 0°C to 60°C
Storage temperature	0 to 30°C
Storage duration	12 months at 25°C
Safety standard	UI1642 at cell level





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# Lithium Iron Phosphate Battery

## V-LFP12V60Ah

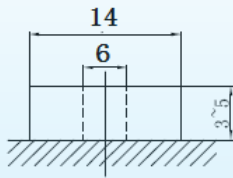
### Overview

The V-LFP12V60AH rechargeable battery is optimized for low rate application which require high energy density.

### Features

- High energy density
- Automatic protection with battery manager system internally
- Low self-discharge
- Long cycle life
- Excellent performance in all the operating temperature

### Terminal

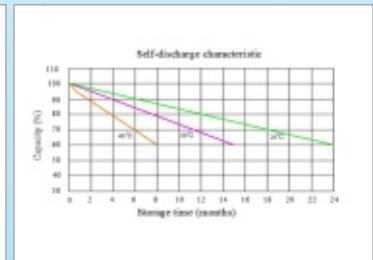
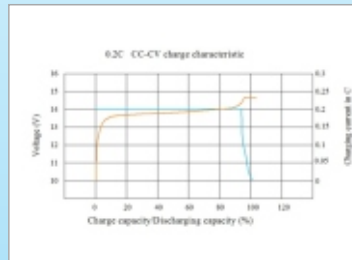
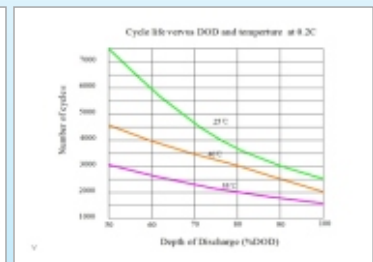
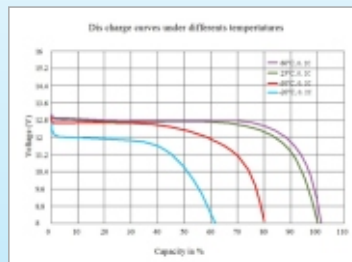


F11



### Battery Specification

Nominal Characteristics	
Nominal Voltage /V	12.8
Nominal Capacity /Ah (25° C , 0.2C)	≥60
Mechanical characteristics	
Weight (approximate)/Kg	9.5
Dimension L*W*H /mm	229*138*213
Terminal	F11
Electrical characteristics	
Voltage window/V	9.2 to 14.6
Float charge voltage/V	13.8
Max. continue discharge current/A	30
Max. permanent discharge current/A	80A 10Sec.
Max. continue charge current/A	30
Operating conditions	
Cycle life (+20°C 0.2C 100%DOD)	>2500 Cycles
Operating temperature	Discharge -30°C to 60°C; Charge 0°C to 60°C
Storage temperature	0 to 30°C
Storage duration	12 months at 25°C
Safety standard	UI1642 at cell level





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# Lithium Iron Phosphate Battery

## V-LFP12V60Ah

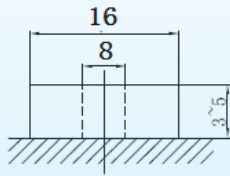
### Overview

The V-LFP12V60AH rechargeable battery is optimized for low rate application which require high energy density.

### Features

- High energy density
- Automatic protection with battery manager system internally
- Low self-discharge
- Long cycle life
- Excellent performance in all the operating temperature

### Terminal

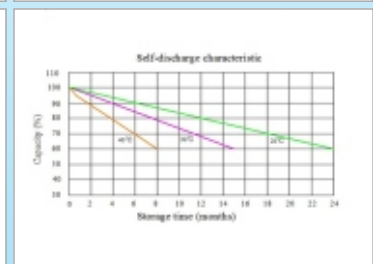
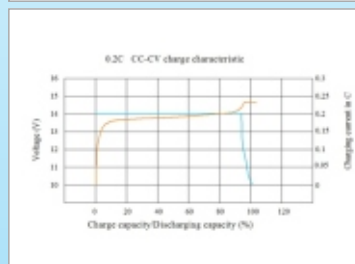
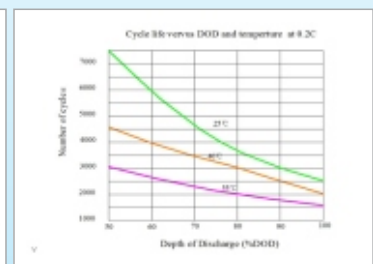
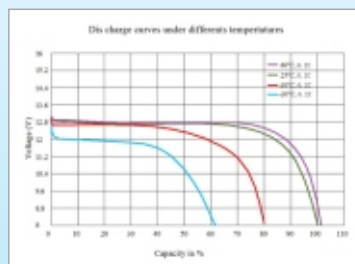


F12.



### Battery Specification

Nominal Characteristics	
Nominal Voltage /V	12.8
Nominal Capacity /Ah (25° C , 0.2C)	≥60
Mechanical characteristics	
Weight (approximate)/Kg	10.2
Dimension L*W*H /mm	258*166*215
Terminal	F12
Electrical characteristics	
Voltage window/V	9.2 to 14.6
Float charge voltage/V	13.8
Max. continue discharge current/A	50
Max. permanent discharge current/A	100A 10Sec.
Max. continue charge current/A	50
Operating conditions	
Cycle life (+20°C 0.2C 100%DOD)	>2500 Cycles
Operating temperature	Discharge -30°C to 60°C; Charge 0°C to 60°C
Storage temperature	0 to 30°C
Storage duration	12 months at 25°C
Safety standard	UI1642 at cell level





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# Lithium Iron Phosphate Battery

## V-LFP12V70Ah

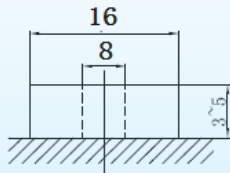
### Overview

The V-LFP12V70AH rechargeable battery is optimized for low rate application which require high energy density.

### Features

- High energy density
- Automatic protection with battery manager system internally
- Low self-discharge
- Long cycle life
- Excellent performance in all the operating temperature

### Terminal

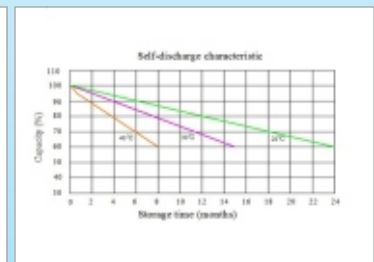
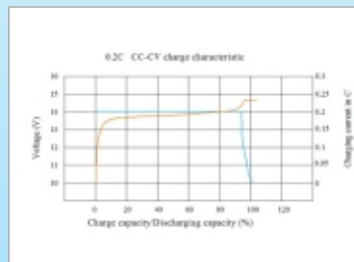
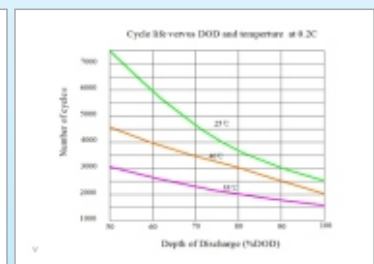
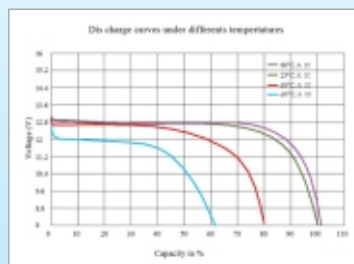


F12.



### Battery Specification

Nominal Characteristics	
Nominal Voltage /V	12.8
Nominal Capacity /Ah (25° C , 0.2C)	≥70
Mechanical characteristics	
Weight (approximate)/Kg	11.3
Dimension L*W*H /mm	258*166*215
Terminal	F12
Electrical characteristics	
Voltage window/V	9.2 to 14.6
Float charge voltage/V	13.8
Max. continue discharge current/A	30
Max. permanent discharge current/A	80A 10Sec.
Max. continue charge current/A	30
Operating conditions	
Cycle life (+20°C 0.2C 100%DOD)	>2500 Cycles
Operating temperature	Discharge -30°C to 60°C; Charge 0°C to 60°C
Storage temperature	0 to 30°C
Storage duration	12 months at 25°C
Safety standard	UI1642 at cell level





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# Lithium Iron Phosphate Battery

## V-LFP12V80Ah

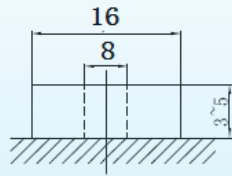
### Overview

The V-LFP12V80AH rechargeable battery is optimized for low rate application which require high energy density.

### Features

- High energy density
- Automatic protection with battery manager system internally
- Low self-discharge
- Long cycle life
- Excellent performance in all the operating temperature

### Terminal

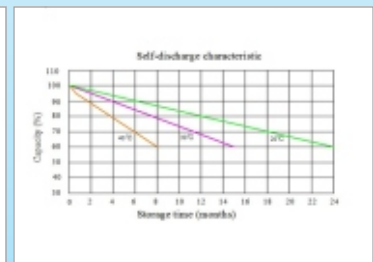
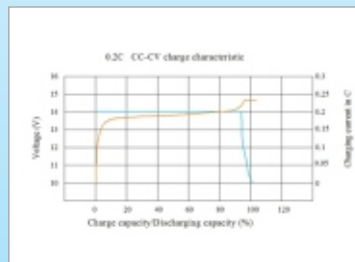
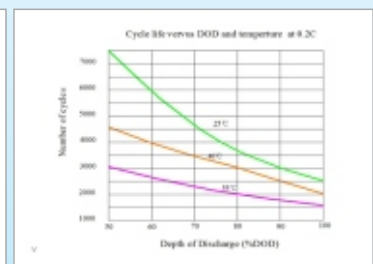
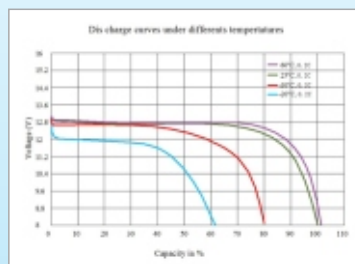


F12.



### Battery Specification

Nominal Characteristics	
Nominal Voltage /V	12.8
Nominal Capacity /Ah (25° C , 0.2C)	≥80
Mechanical characteristics	
Weight (approximate)/Kg	12.8
Dimension L*W*H /mm	258*166*215
Terminal	F12
Electrical characteristics	
Voltage window/V	9.2 to 14.6
Float charge voltage/V	13.8
Max. continue discharge current/A	30
Max. permanent discharge current/A	80A 10Sec.
Max. continue charge current/A	30
Operating conditions	
Cycle life (+20°C 0.2C 100%DOD)	>2500 Cycles
Operating temperature	Discharge -30°C to 60°C; Charge 0°C to 60°C
Storage temperature	0 to 30°C
Storage duration	12 months at 25°C
Safety standard	UI1642 at cell level







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# Lithium Iron Phosphate Battery

## V-LFP12V80Ah

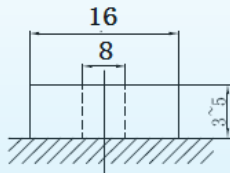
### Overview

The V-LFP12V80AH rechargeable battery is optimized for low rate application which require high energy density.

### Features

- High energy density
- Automatic protection with battery manager system internally
- Low self-discharge
- Long cycle life
- Excellent performance in all the operating temperature

### Terminal

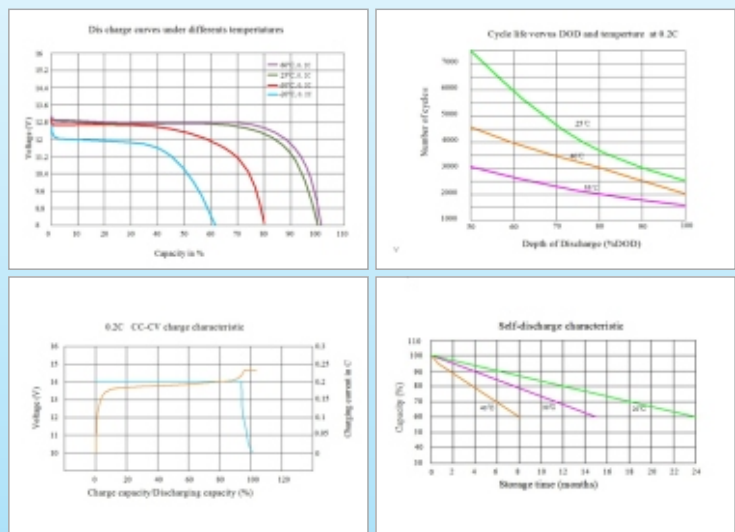


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### Battery Specification

Nominal Characteristics	
Nominal Voltage /V	12.8
Nominal Capacity /Ah (25° C , 0.2C)	≥80
Mechanical characteristics	
Weight (approximate)/Kg	13.2
Dimension L*W*H /mm	306*169*216
Terminal	F12
Electrical characteristics	
Voltage window/V	9.2 to 14.6
Float charge voltage/V	13.8
Max. continue discharge current/A	50
Max. permanent discharge current/A	80A 10Sec.
Max. continue charge current/A	50
Operating conditions	
Cycle life (+20°C 0.2C 100%DOD)	>2500 Cycles
Operating temperature	Discharge -30°C to 60°C; Charge 0°C to 60°C
Storage temperature	0 to 30°C
Storage duration	12 months at 25°C
Safety standard	UI1642 at cell level





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# Lithium Iron Phosphate Battery

## V-LFP12V90Ah

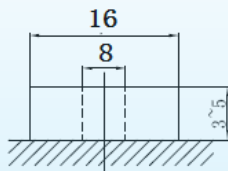
### Overview

The V-LFP12V90AH rechargeable battery is optimized for low rate application which require high energy density.

### Features

- High energy density
- Automatic protection with battery manager system internally
- Low self-discharge
- Long cycle life
- Excellent performance in all the operating temperature

### Terminal

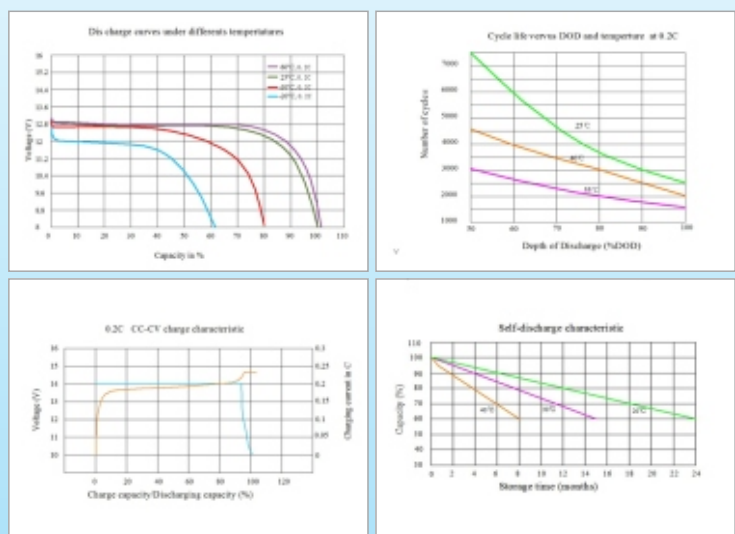


F12.



### Battery Specification

Nominal Characteristics	
Nominal Voltage /V	12.8
Nominal Capacity /Ah (25° C , 0.2C)	≥90
Mechanical characteristics	
Weight (approximate)/Kg	14
Dimension L*W*H /mm	306*169*216
Terminal	F12
Electrical characteristics	
Voltage window/V	9.2 to 14.6
Float charge voltage/V	13.8
Max. continue discharge current/A	50
Max. permanent discharge current/A	100A 10Sec.
Max. continue charge current/A	50
Operating conditions	
Cycle life (+20°C 0.2C 100%DOD)	>2500 Cycles
Operating temperature	Discharge -30°C to 60°C; Charge 0°C to 60°C
Storage temperature	0 to 30°C
Storage duration	12 months at 25°C
Safety standard	UI1642 at cell level





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# Lithium Iron Phosphate Battery

## V-LFP12V100Ah

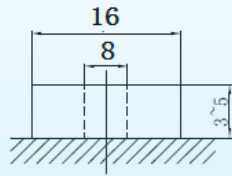
### Overview

The V-LFP12V100AH rechargeable battery is optimized for low rate application which require high energy density.

### Features

- High energy density
- Automatic protection with battery manager system internally
- Low self-discharge
- Long cycle life
- Excellent performance in all the operating temperature

### Terminal

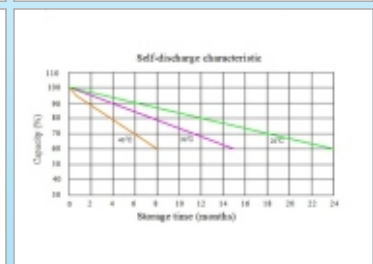
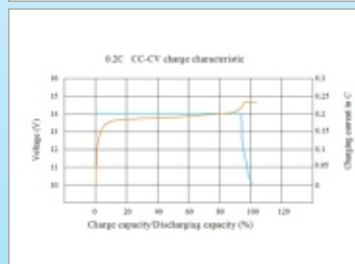
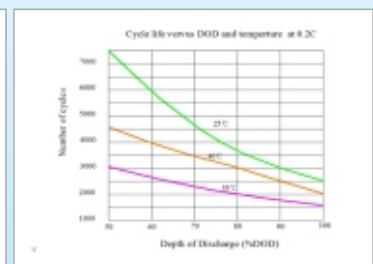
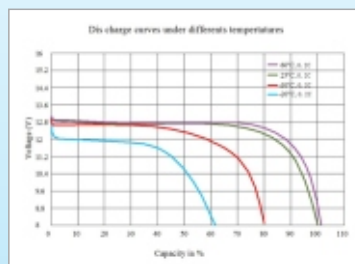


F12.



### Battery Specification

Nominal Characteristics	
Nominal Voltage /V	12.8
Nominal Capacity /Ah (25° C , 0.2C)	≥98
Mechanical characteristics	
Weight (approximate)/Kg	14.5
Dimension L*W*H /mm	330*172*220
Terminal	F12
Electrical characteristics	
Voltage window/V	9.2 to 14.6
Float charge voltage/V	13.8
Max. continue discharge current/A	50
Max. permanent discharge current/A	100A 10Sec.
Max. continue charge current/A	50
Operating conditions	
Cycle life (+20°C 0.2C 100%DOD)	>2500 Cycles
Operating temperature	Discharge -30°C to 60°C; Charge 0°C to 60°C
Storage temperature	0 to 30°C
Storage duration	12 months at 25°C
Safety standard	UI1642 at cell level





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# Lithium Iron Phosphate Battery

## V-LFP12V100Ah

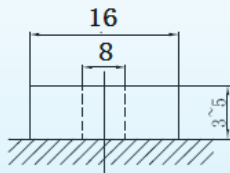
### Overview

The V-LFP12V100AH rechargeable battery is optimized for low rate application which require high energy density.

### Features

- High energy density
- Automatic protection with battery manager system internally
- Low self-discharge
- Long cycle life
- Excellent performance in all the operating temperature

### Terminal

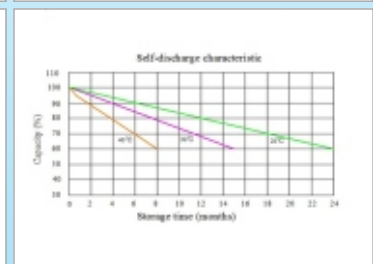
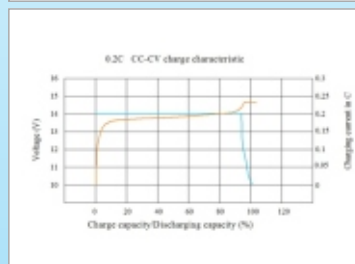
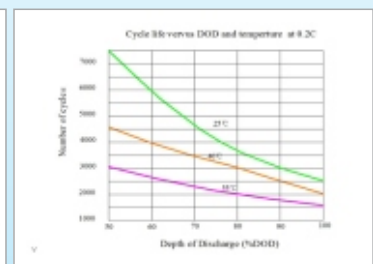
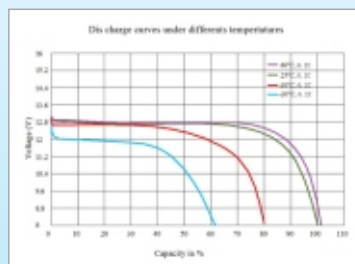


F12.



### Battery Specification

Nominal Characteristics	
Nominal Voltage /V	12.8
Nominal Capacity /Ah (25° C , 0.2C)	≥100
Mechanical characteristics	
Weight (approximate)/Kg	15.5
Dimension L*W*H /mm	395*110*293
Terminal	F12
Electrical characteristics	
Voltage window/V	9.2 to 14.6
Float charge voltage/V	13.8
Max. continue discharge current/A	50
Max. permanent discharge current/A	100A 10Sec.
Max. continue charge current/A	50
Operating conditions	
Cycle life (+20°C 0.2C 100%DOD)	>2500 Cycles
Operating temperature	Discharge -30°C to 60°C; Charge 0°C to 60°C
Storage temperature	0 to 30°C
Storage duration	12 months at 25°C
Safety standard	UI1642 at cell level





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# Lithium Iron Phosphate Battery

## V-LFP12V240Ah

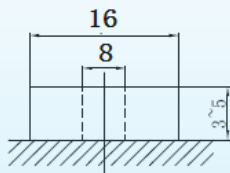
### Overview

The V-LFP12V240AH rechargeable battery is optimized for low rate application which require high energy density.

### Features

- High energy density
- Automatic protection with battery manager system internally
- Low self-discharge
- Long cycle life
- Excellent performance in all the operating temperature

### Terminal



F12.



### Battery Specification

Nominal Characteristics	
Nominal Voltage /V	12.8
Nominal Capacity /Ah (25° C , 0.2C)	≥240
Mechanical characteristics	
Weight (approximate)/Kg	34.2
Dimension L*W*H /mm	520*269*208
Terminal	F12
Electrical characteristics	
Voltage window/V	9.2 to 14.6
Float charge voltage/V	13.8
Max. continue discharge current/A	50
Max. permanent discharge current/A	100A 10Sec.
Max. continue charge current/A	50
Operating conditions	
Cycle life (+20°C 0.2C 100%DOD)	>2500 Cycles
Operating temperature	Discharge -30°C to 60°C; Charge 0°C to 60°C
Storage temperature	0 to 30°C
Storage duration	12 months at 25°C
Safety standard	UI1642 at cell level

