

# Product Manual

NO. : JG16-3308

REV : R1.0

DATE: 2017-01-09

## Lithium-ion Rechargeable Battery

### Product Manual

Product Name : LiFePO4 Battery Pack

Product Specification : 12.8V17Ah

Designed	Checked	Approved
Chen Chen	Kyle	Shijie Ren

SECTION I / II

Security rating:  Top secret  Confidential  Secret  Ordinary

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## 1. Preface

This manual describes the type and size, performance, technical characteristics, warning and caution.

## 2. Product and Model

2.1 Product: Lithium-ion Battery Pack

2.2 Model: 4IFR12.8-17-Y ( 18650-3.2V-4S17P )

2.3 Picture And Output Wire ( In order to prevail in kind )



Positive output	M6
Negative output	M6

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## 3. Battery Pack Specifications

Items		Parameters
Nominal voltage		12.8V
Typical capacity		17±1Ah( At 0.2C discharge rate)
Discharge	Peak current	400A (≤ 3s)
	cut-off voltage	About 10V
Charge	voltage	14.4±0.15V
	current	≤ 9A
	Charge mode	CC/CV , please use special lithium charger
Inner resistance	Discharging Inner resistance	≤ 40mΩ
Operation temperature/ humidity range	Charge	0°C ~ +45°C
	Discharge	-20°C ~ +55°C
		When the environment temperature is higher than 45°C , please pay attention to ventilation and heat rejection.
humidity	RH≤ 85%, When the environment humidity is higher than 85% , please pay attention to protect	
Operation temperature/ humidity range	temperature	0°C ~ 40°C ( Capacity 80% ) Recommended long-term storage temperature is 15~25°C
	humidity	RH≤ 50% , Easily oxidized components note sealed
Protection function	Over charge protection、 Over discharge protection、 Balanced function	
Shell material	Plastic	
Weight	4.6±0.1kg	
Size ( L*W*H )	( 195±1 ) mm * ( 165±1 ) mm * ( 175±2 ) mm	

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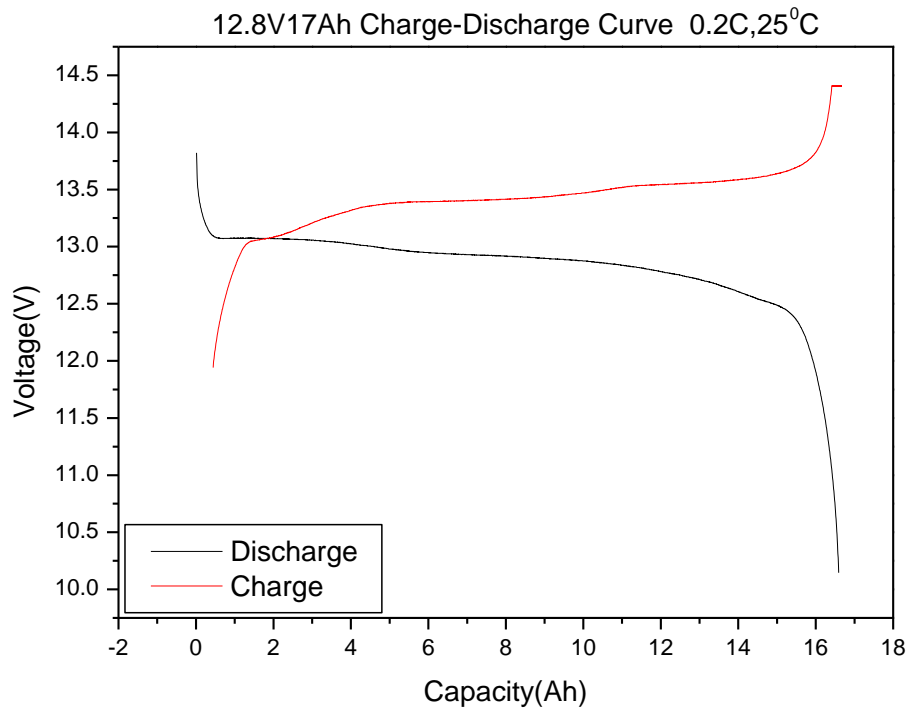
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## 4.Characteristic curve



## 5. Product Liability

It is not responsible for the incident caused by not obeying the Manual. Before using the battery, you should read the specifications( The manual is divided into two parts), usage instruction and some attentions carefully to learn its application method and areas. If the phenomenon such as error using method or wrong circuit connection, or input power data, working index are inconsistent with the Manual , cause damage to product, load and its accessories, we are not responsible for it.

**Our company have the right to change the content of specification without prior notice ;**

**The final explanation of specification belongs to our company.**

**SECTION I /II**

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