

# Product Manual

## Lithium-ion Rechargeable Battery

### Product Manual

Product Name : LiFePO4 Battery Pack

Product Specification : 12.8V65Ah

SECTION I / II

Security rating: ☐ Top secret ☐ Confidential ☒ Secret ☐ Ordinary

# Product Manual

## 1. Preface

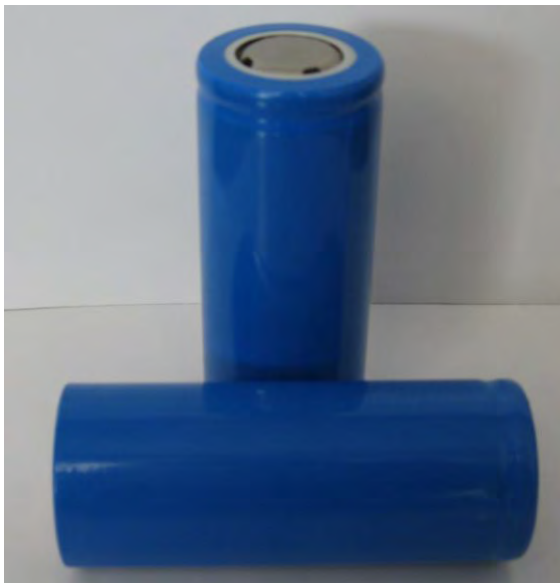
This manual describes the type and size, performance, technical characteristics, warning and caution.

## 2. Product and Model

2.1 Product: Lithium-ion Battery Pack

2.2 Model: LF-LA12V65 ( 26650-3.2V-4S21P )

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



Positive output	M8 Terminal
Negative output	M8 Terminal

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## 3. Battery Pack Specifications

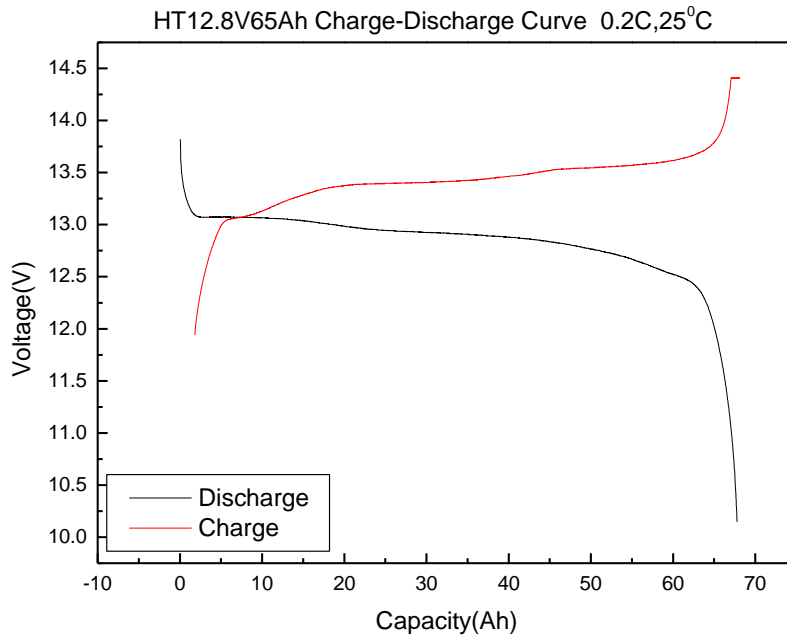
Items		Parameters
Nominal voltage		12.8V
Typical capacity		65±2Ah( At 0.2C discharge rate)
Discharge	normal current	65A
	Max continuous current	80A
	cut-off voltage	About 10V
Charge	voltage	14.4±0.1V
	current	10A
	Charge mode	CC/CV , please use special lithium charger
Inner resistance	Discharging Inner resistance	≤ 50mΩ
Operation temperature/ humidity range	Charge	0°C ~ +45°C
	Discharge	-20°C ~ +60°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、Over current protection、Temperature protection、Balanced function	
Shell material	ABS	
Weight	9.2±0.1kg	
Size ( L*W*H )	( 260±1 ) mm * ( 168±1 ) mm * ( 212±1 ) mm	
Cycle	Standard charge at 0.2C ( A ) , rest 0.5~1 h , discharge at 0.2C to cut off voltage , rest 0.5~1h,repeat the above steps until 1500 cycles.( capacity retention rate≥ 80%)	

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## 4.Characteristic curve



## 5. Product Liability

We are 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.

**We have the right to change the content of specification without prior notice ; The final explanation of specification belongs to our company.**