

## 1.2、LiFePO4 Battery Pack

### 1.2.1、Battery related parameters



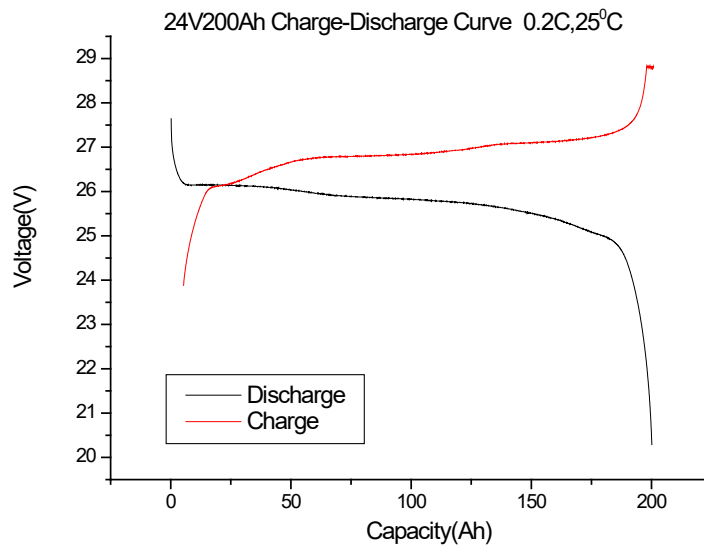
Items		Parameters
Battery Model		IFR-24V200Ah (IFR- 26650-3.2V-4000mAh-8S50P)
Nominal voltage		25.6V
Typical capacity		200±6Ah( At 0.2C discharge rate)
Discharge	Working current	≤200A
	Cut-off voltage	About 20V
Charge	Voltage	28.8±0.5V
	Max charging Current	≤100A
	Charge mode	CC/CV, please use a special lithium charger
	Charging cut-off current	About 4A
Operation Temperature	Charge	0°C ~+45°C
	Discharge	-20°C ~+60°C
Storage Temperature		-20°C ~60°C
Discharging Inner Resistance		≤6mΩ
Charge and discharge port		M8 terminal
Protocol (optional)		with Bluetooth
Protection Function		Overcharge protection、Over discharge protection、Temperature protection、Short circuit protection、Overcurrent protection、Balanced protection
Shell material		ABS
Weight		41±0.2Kg (Single weight)
Size (L*W*H)		(518±2) mm * (267±2) mm* (222±2) mm



## Cycle

The cycle life is not less than 1500 times, and the capacity retention rate is  $\geq 80\%$ . (Charge according to 3.2 standard charge, put it aside After 0.5~1h; discharge according to the 3.3 standard, put it aside for 0.5~1h, count as 1 cycle).

### 1.2.2、Charge and discharge curve



### 1.3、BOM

NO	Material specifications
1	Cell
2	BMS
3	Nickel strap
4	ABS
5	Wire harness
6	labeling

## 2、How To Use The Battery Pack

### 2.1、Recharge