

General Information

Haidi Lithium Iron Phosphate(LiFePO₄) battery is a cylindrical cell which delivers high power and high energy density combined with ultra safety performance and long cycle service life.

Haidi LiFePO₄ battery has a service life more than 2000 cycles at 100% depth of discharge and a remaining capacity of 80%.

Haidi LiFePO₄ battery is an ideal of deep cycle and high rate discharge application. Our LiFePO₄ battery has light weight and optimized size. It is widely used for electric vehicles, golf cart, lighting, power tools, UPS and energy storage system.



Dimension



Diameter	18.2±0.2mm (Max.)
Height	65.2±0.2mm (Max.)
Weight	43g (Max.)

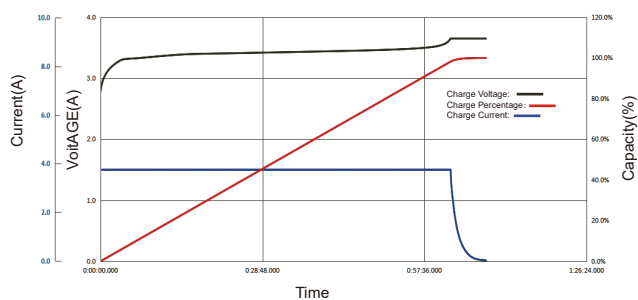
Item	Specification
Normal Capacity	1100 mAh@0.2C
Normal Voltage	3.2V
Charge Voltage	3.65 ±0.05 V
Max. Charge Current	1100mA
Discharge Cut-off Voltage	2.5V
Standard Discharge Current	1100mA
Max. Continuous Discharge current	33000mA, <5S
Internal Resistance	≤10mΩ
Cycle Life	>2000 Cycles @100% DOD >4000 Cycles @80% DOD >8000 Cycles @50% DOD
Operating Temperature	Charge: 0°C~55°C Discharge: -20°C~65°C
Storage Temperature	-20°C ~ 65°C Short-Term Storage (<3 Months)
Weight	Max. 43.0g

Certificate

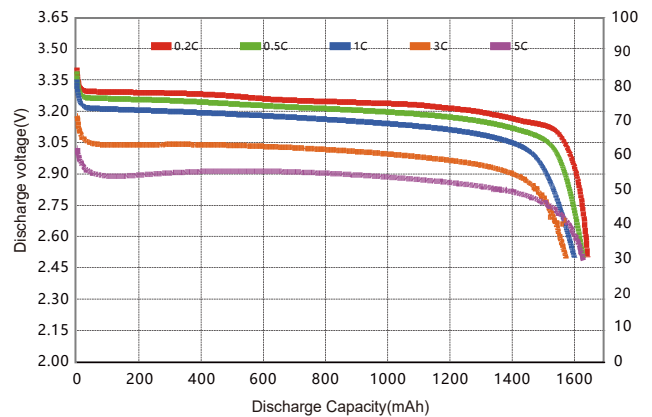


Performance Characteristics

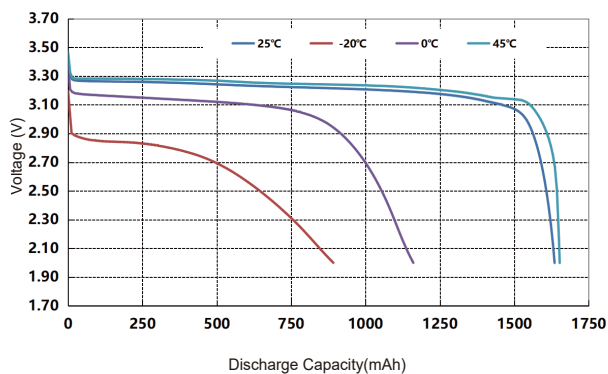
Charge Characteristics Curve



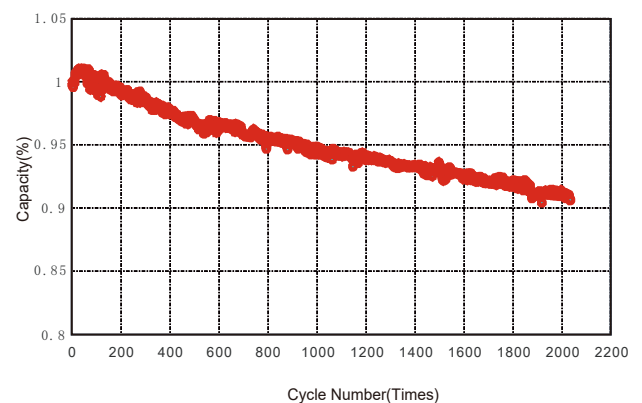
Discharge Curves at Different Rate



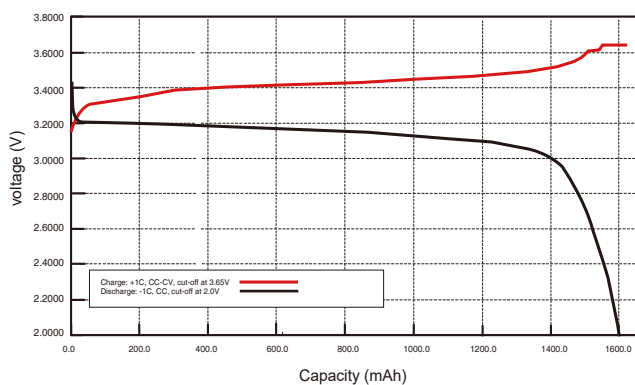
Discharge Curves at Different Temperatures



Cycle Curve



Charge & Discharge Curve



Self Discharge Curve

