

# LIFEPO4 BATTERY PACK

## 12.8V 37.8AH



### ANTBATT

#### Long Life

More than 2000 cycles at Lab test condition, longer serving time ranges helps vendors to extend the product serving life and help final users to reduce the battery replacement costs.

#### Lighter & Smaller

The LiFePO<sub>4</sub> weighs less than half of comparable lead acid batteries, providing customers with a lighter-weight solution to optimize their product design and avoid unnecessary oversizing, which helps minimize cost and system complexity.

#### High Power Capability

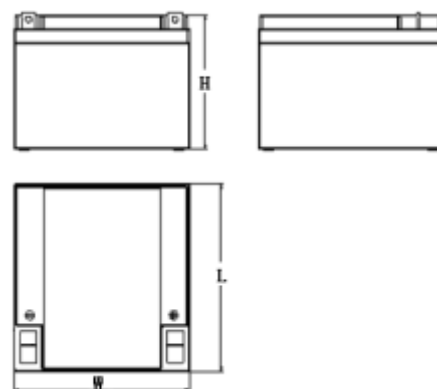
LiFePO<sub>4</sub> is designed to deliver twice the power of lead acid, including at high discharge rates, while maintaining high energy capacity to maximize product performance.



### Parameters

Electrical Characteristics	Nominal Voltage	12.8V
	Rated Capacity	37.8Ah
	Rated Energy	483.84Wh
	Output Power	500W
	Alternating Inner Resistance	≤40mΩ
	Self-Discharge Rate/Month	<3%/Month
Standard Charge	Cycle Life(0.5C 100%DOD*)	>2000 cycles
	Charge Voltage	14.4V
	Charge Mode	CC/CV
	Suggested Charge Current	7.6A
	Max. Charge Current	19A
Standard Discharge	Continue Current	38A
	Max Pulse Current	38~114A(≤20ms)
	Discharge Cut-off Voltage	About 10V
	Charge Temperature	0°C~45°C
Environmental	Discharge Temperature	-20°C~60°C
	Storage Temperature	0°C~45°C
	Water Dust Resistance	IP65
Mechanical	Cell	18650 3.2V 1800mAh
	Configuration	4S21P*
	Dimension	174(L)x165(W)x125(H)mm
	Enclosure Material	ABS Plastics
	Weight	4.4Kg
	Charge Terminal	M5
	Discharge Terminal	M5

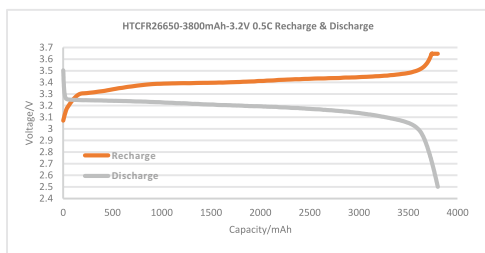
### Dimension



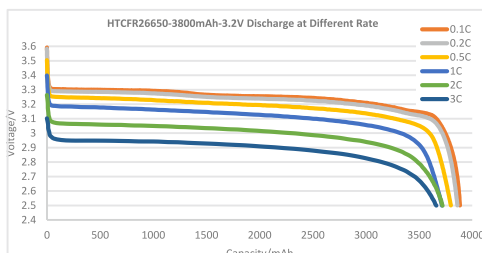
### Application

- > Solar Storage
- > Wheel Chair
- > Golf Trolley
- > All Purpose

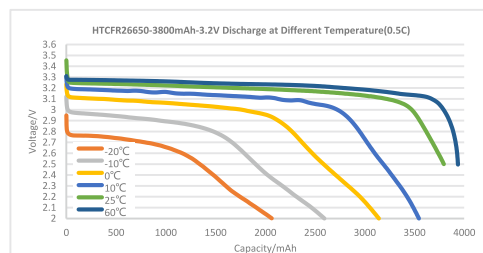
#### Cell Charge & Discharge at 0.5C @25°C



#### Cell Discharge Rate Performance @25°C



#### Cell Temperature Performance @0.5C



\* CC/CV: Constant Current / Constant Voltage  
 \* DOD: Depth of Discharge  
 \* xSxP: Series & Parallel Connection

