

# LIFEPO4 BATTERY PACK

## 12.8V 9AH



### 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

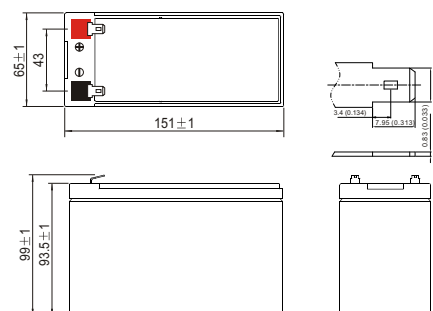
LiFePO<sub>4</sub> is designed to deliver twice the power of lead acid, including at high discharge rates, while maintaining high energy capacity to maximize product performance.



### Parameters

|                            |                              |                      |
|----------------------------|------------------------------|----------------------|
| Electrical Characteristics | Nominal Voltage              | 12.8V                |
|                            | Rated Capacity               | 9Ah                  |
|                            | Rated Energy                 | 115.2Wh              |
|                            | Output Power                 | 120W                 |
|                            | Alternating Inner Resistance | ≤90mΩ                |
| Standard Charge            | Self-Discharge Rate/Month    | <3%/Month            |
|                            | Cycle Life(0.5C 100%DOD*)    | >2000 cycles         |
|                            | Charge Voltage               | 14.4V                |
|                            | Charge Mode                  | CC/CV                |
|                            | Suggested Charge Current     | <4.5A                |
| Standard Discharge         | Max. Charge Current          | 4.5A                 |
|                            | Suggested Current            | 9A                   |
|                            | Max Continue Current         | 18A(<5min)           |
|                            | 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                 |
|                            | Cell                         | 18650 3.2V 1800mAh   |
|                            | Configuration                | 4S5P*                |
| Mechanical                 | Dimension                    | 151(L)x65(W)x94(H)mm |
|                            | Enclosure Material           | ABS Plastics         |
|                            | Weight                       | 1.3Kg                |
|                            | Charge Terminal              | T1/T2                |
|                            | Discharge Terminal           | T1/T2                |

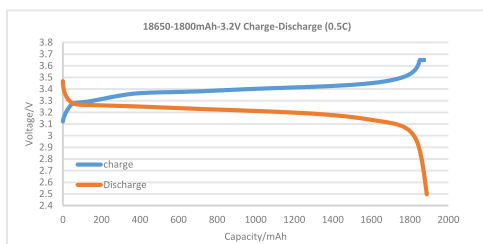
### Dimension



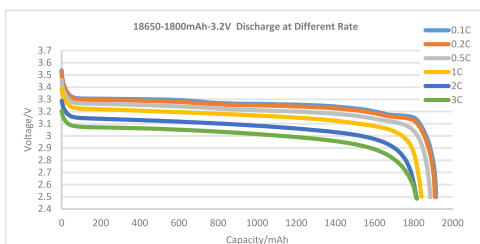
### Application

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

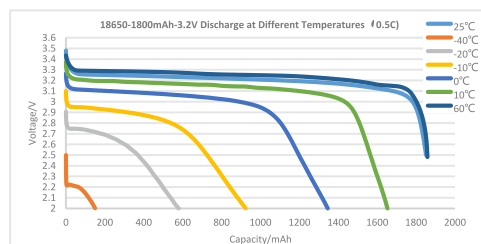
#### Cell Charge & Discharge at 0.5C @25°C



#### 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

