

Scope

This specification is applied to the LiFePO4 battery pack

Specifications

No.	Item	General Parameter	Remark
1	Rated Capacity	300Ah	Standard discharge (0.2 C ₅) after standard charge (0.2 C ₅)
2	Nominal Voltage	25.6V	
3	Cycle Life	≥3000 times	◆ Charge: CC@0.2C to 29.2V, then CV till current to 0.05C ◆ Discharge: 0.2C to 20.0V ◆ Temperature: 20±5℃ ◆ Higher than 70% of the Initial Capacity of the Cells
4	Discharge cut-off voltage	20.0V	
5	Charging cut-off voltage	29.2V	
6	Cell type	IFR 3.2V 300Ah	8S1P
7	Recommend charge current	20A ~50A	
8	Max charge current	100A	
9	Max Continuous Discharge Current	100A	Peak: 200A, @<10s
10	Self-discharge rated	<3%/month	
11	Operation Temperature Range	Charge: 0~55℃ Discharge: -20~65℃ Storage: 0~45℃	
12	Package	Metal case	
13	Weight	Approx.: 58Kg	
14	Dimension	Height: 200mm Width: 230mm Length: 600mm	Customized
15	Display screen	Optional	

Product storage and transportation

Storage

If the battery pack need to be stored for a long time, charge the battery for 50% electric quantity (after discharge, charge by charger for 2~3h every 3 months).

Battery pack and the charger should be stored in clean, dry and ventilating place, and should not be together with corrosive material, keep the battery away from fire and heat source.

Transportation

Battery pack and charger should be transported after packaging, and should avoid severe vibrating, impacting , extrusion, and direct light and rain. They can be transported with automobile, train, ship and plane, etc.

Maintainance

- a) The battery pack should be stored in 40%~60% state-of-charge.
- b) If the battery won't be used for a long period, charge it every 3 months, and each time 1~2h
- c) In the process of maintainance, don't assemble and disassemble the battery without permission, otherwise, the performance of battery will descend.
- d) Don't disassemble the battery without permission.

Warnings in using the battery

- * Do not immerse the battery into water or seawater
- * Do not use, leave or charge battery near a heat source such as fire or heater.
- * Do not inversely connect positive and negative polar
- * Do not put the battery in fire or heat the battery.
- * Do not short-circuit the battery with wires or other metals.
- * Do not pierce the shell with nails or other sharp objects. Do not hammer or tread the pack.
- * Do not disassemble the pack and battery in any way.
- * Do not put the battery pack in microwave oven or pressure vessels.
- * Do not use the battery in extremely thermal environment, such as direct light or cars in hot day. Otherwise, the battery will overheats and the performance and life of battery will be influenced.
- * If the battery leaks or smells, move it away from open fire. The battery should be used after fully charged in the first use.
- * If the battery pack smells, fevers, is out of shape, color changes or any other abnormal phenomena which the battery can't be used, if the battery is being charged or used, please take it out of the charger or electrical equipment.
- * If the battery leaks and the electrolyte get into the eye, do not rub eye. Instead, rinse eye with clean water, and seek medical attention immediately.
- *Temperature will influence discharge capacity, if the temperature exceeds standard environment temperature ($25\pm 5^{\circ}\text{C}$) , discharge capacity will reduce.