

12.8V 100Ah LifePO4 Battery

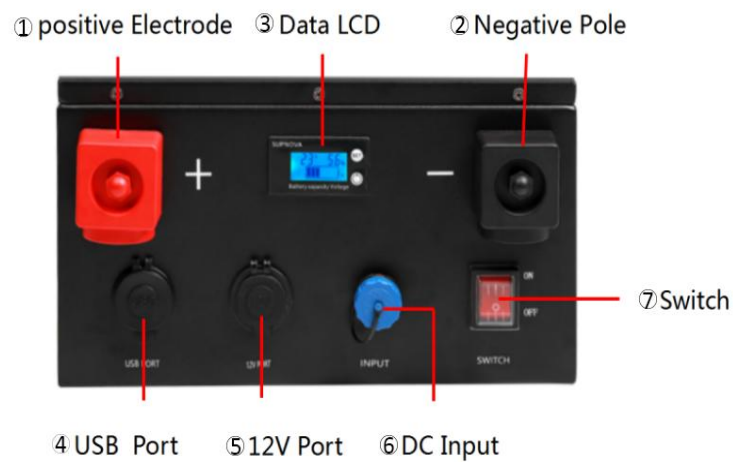
Specification

12.8V 100Ah lifePO4 battery pack is a new type of green energy battery. It has no liquid overflow, no corrosion, no smell, and long service life. It has a safety protection device for charging and discharging, which can completely replace the lead-acid battery. It is a friendly act to protect the environment.

1.Data Sheet

No	Item	Description	
1	Battery Type	Lifepo4	Remark
2	Rated Voltage	12.8V	
3	Voltage Range	10 V ~ 14.6 V	
4	Rated Capacity	100 Ah	
5	Battery Power	1280Wh	
6	Combination Mode	4S	
7	DC Charge Current	2A~100A	
7	DC Discharge Currtent	2A~150A	
8	Peak Discharge Current	150 A	10 S
9	Data Display	LCD	
10	BMS	Charge/Discharge/Short Circle Protect	
11	SOC estimation error	< 10%	
12	Charging Temperature	-20 ~ 45 °C	
13	Discharge Temperature	-5 ~ 65 °C	
14	Relative Humidity	Monthly average not more than 90%	
20	Housing Material	Metal	
21	Size	450 * 310 * 210 mm	

2.Function indication



- ①② DC Input & output pole (Same interface for charging and discharging)
- ③ Display remaining power
- ④ DC USB Output port
- ⑤ DC 12V Port (cigarette lighter)
- ⑥ DC Input port (Charging port)
- ⑦ Switch on/off

3.Operation Method

1. Before installation, first check whether the battery model is consistent.

If there is any deviation, please contact our company as soon as possible.

2. The metal tools such as torque wrenches and wrenches used for installation shall be insulated with plastic tape before use to prevent scalding, battery damage, fire and explosion due to short circuit.

3. When connecting, please pay attention to the correct polarity, tighten the bolts to ensure good contact, but do not use excessive force to avoid damaging the terminal and causing leakage. The red pole of the battery represents the positive pole, the positive pole connected to the load, the black pole represents the negative pole, and the negative pole connected to the load must not be connected incorrectly.

4. Batteries of different manufacturers, capacities and performances cannot be installed together for use. New and old batteries cannot be mixed; The mixed use of different batches of batteries shall be limited to one month; The open circuit voltage of the battery must be checked before use. If the 12V battery voltage is lower than 12V, the battery should be charged first. The charging voltage should refer to the equalizing charging method.

5. Before installing terminal connectors and conducting batteries, check the total voltage of the battery system and the connection of positive and negative electrodes to ensure correct installation.

6. Protect the battery from strong shock or impact.

7. When installing on the equipment, the battery shall be kept away from the heat source (such as transformer). The battery shall be placed upright at the lowest possible place. It is recommended to leave a ventilation hole to maintain adequate ventilation.

8. When connecting the battery to the charger or load, the circuit switch must be closed, and the positive pole of the battery must be connected to the positive pole of the charger or load, and the negative pole of the battery must be connected to the negative pole of the charger or load.

9. Check whether the fixing bolts of the battery on the bracket are tightened. If they are not firmly installed, the housing will be damaged due to driving vibration. In addition, do not put metal objects on the battery to prevent short circuit.

10 Always check whether the connection between the pole and the terminal is reliable. In order to prevent the terminal from oxidation, you can apply Vaseline and other protective agents.

11. Do not use the method of direct ignition (short circuit test) to check the battery power, which will cause damage to the battery.

12. When two batteries need to be used in series, the voltage and capacity of the battery shall be equal. Otherwise, the service life of the battery will be affected.

13. The battery does not pollute the equipment and environment. It can be used in the same room with the microcomputer relay protection and other control protection devices. It does not need to set up a special battery room. It can be stacked in multiple layers. It occupies a small area and saves project investment.

14. The battery display data has not been adjusted, and the battery display data will not affect the battery use.

Correct adjustment mode of battery display:

Turn on the power switch of the display screen, long press SET, select 1 when the number jumps, and press the power button to confirm; When the letter jumps, press SET to select the letter P, then select the number 12, and press power button confirm.