

Replacement Lead-acid to LiFePO4

FeLiPO4 battery replaces lead-acid battery for series and parallel connection



This product can directly replace traditional lead-acid batteries for series and parallel use. While retaining the characteristics of lead-acid batteries that can be freely connected and combined, it integrates the high discharge depth of lithium iron phosphate batteries.

Widely applicable to various lead-acid battery application environments, such as golf carts, electric low-speed vehicles, sightseeing vehicles, solar lamps, solar monitoring, etc.

Product Parameter

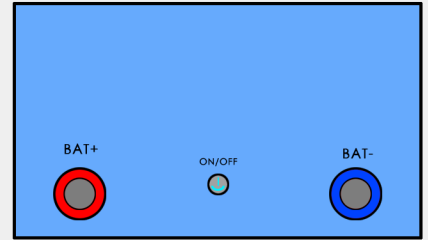
Battery Type	Lithium iron phosphate Battery (LiFePO4)
Battery Pack Capacity	1331 Wh
Cont. Output Current	100A
Max Output Current	120A
Cont. Input Current	100A
Max. Input Current	120A
Battery Pack Voltage	12.8V
Operating Voltage	10V~14.4V
Operating Temperature	-10°C~50°C
Enclosure Protection Rating	≥ 95%
Weight	10.5Kg
Dimensions (H/W/D)	212mm**330mm*175mm

1: Test conditions: 25 °C, 100 % depth of discharge (DOD), 1C charge & 1.5C discharge

Installation and Operation

1. Take out the battery pack and put it in a suitable place
2. When wiring, please refer to the product diagram to ensure that the positive and negative wiring is correct, and tighten the wiring with nuts
3. After checking that the wiring is correct, press the battery switch, and when the indicator light is on, the battery is in normal use
4. To turn off the battery, press the battery switch for 3 seconds, the indicator light goes out to turn off the battery

Note: If you want to expand the system capacity by connecting battery packs, the system only supports a single connection mode, please do not perform series and parallel operations in one system at the same time; if you need to operate battery packs in series, it is recommended to control the number of battery packs in series within 4



Storage and Maintenance

1. Before discharging the battery for the first time, the battery should be fully charged before use. After the battery is fully charged and discharged 3~5 times, the battery can reach the maximum capacity;
2. When the battery power is low, it should be charged in time. If the battery is not charged in time, leaving the battery in a state of power shortage for a long time will affect the service life of the battery. If the battery needs to be left for a long time, it is best to keep the battery in a half-charged state, and charge the battery once every 2 months, and the charging time is 1 hour
3. The battery should be installed in a ventilated, dry and clean environment; keep away from fire and flammable objects when charging;
4. Do not use organic solvents to clean the shell;
5. The working environment temperature of the battery is $-10^{\circ}\text{C} \sim 50^{\circ}\text{C}$;

Cautions

1. Handle with care to avoid violent vibration
2. Do not immerse in water or other liquids, and pay attention to moisture; avoid direct sunlight;
3. Avoid short-circuiting the positive and negative cables of the battery pack;
4. Do not throw into fire;
5. Do not disassemble the battery. Disassembling the battery may damage the battery and cause a fire or explosion; it may also cause the battery electrolyte to leak. If the electrolyte splashes on the skin or eyes and other parts of the human body, please rinse it with clean water immediately and seek medical attention immediately;
6. In case of damage, deformation, electrolyte leakage, etc., stop using it and dispose of it properly;
7. During transportation and storage, avoid sunlight, rain and severe vibration, and pack with insulating and shockproof materials;

