



100AH 12V LITHIUM BATTERY

Specifications

Lithium Iron Phosphate (LiFePO4)

| | |
|-------------------------------|---|
| Nominal Voltage | 12.8V |
| Rated Capacity | 100Ah |
| Absorption Voltage | 14.2-14.4V |
| Temperature Compensation | No |
| Charging Cut-off Voltage | 14.6V |
| Discharge Cut-off Voltage | 10V |
| Recommended Charging Current | 50A |
| Maximum Charging Current | 100A |
| Maximum Discharge Current | 50A (standard) 100A (continuous) 550A (surge) |
| Bluetooth Connection | No |
| Self Heating | No |
| BMS Protection | Charging Overcurrent Short-circuit High Temperature |
| Internal Resistance | ≤12 mΩ |
| Storage Temperature | -20-25°C |
| Charging Overheat Protection | 45-55°C |
| Discharge Overheat Protection | 70-80°C |
| Charging Overheat Recovery | 40-50°C |
| Discharge Overheat Recovery | 50-60°C |
| Charging Low Temp Protection | -7±5°C |
| Charging Low Temp Recovery | 0±5°C |
| Cycles | 3000-5000 |

Key Features

· Unparalleled Quality

Made from A class cells with industry-leading technique, Eco-worthy LiFePO4 batteries boast 10 times longer life than lead-acid batteries. Along with 100% usable capacity and wide working temperature range, they will be the strong support to your need of power.

· Lightweight Design

The LiFePO4 batteries are about 1/3 lighter and smaller than lead-acid batteries. This special design makes outdoor use and indoor installation easier. It is an ideal choice to save your force and indoor rooms.

· Long Lifetime

Eco-worthy LiFePO4 batteries can be recharged 3000~5000 times for a longer cycle life. The self-dissipation of the batteries is as low as 3% per month, giving better performance on storage and endurance.

· Perfect Protection

The built-in BMS(Battery Management System) provides protection features for overcharging, over-discharging, over temperature, short-circuit and so on, keeping the battery well maintained and reliable.

· Capacity Expansion

Eco-worthy LiFePO4 batteries can support both series and parallel connections for bigger capacity and better performance. The reliable cells ensure the battery bank works in perfect condition.

PRODUCT DIMENSIONS



Dimensions

| | |
|-----------|------------------|
| Length | 10.2 in / 260 mm |
| Width | 6.6 in / 168 mm |
| Height | 8.4 in / 214 mm |
| Weight | 22 lbs / 10 kg |
| Terminals | M8 |

Materials

| | |
|----------------|-------|
| Case and Cover | ABS |
| Color | Black |

Up to 16 batteries can be connected in series or parallel to make a 48V battery pack



Parallel Connection
12 Voltage



Series Connection
48 Voltage

