



## 50AH 12.8V LITHIUM BATTERY

### 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.

### Specification

Lithium Iron Phosphate (LiFePO4)	
Normal Voltage	12.8V
Rated Capacity	50Ah
Absortion Voltage	14.4V
Temperature Compensation	No
Charging Cut-off Voltage	14.6V
Discharge Cut-off Voltage	10V
Recommended Charging Current	25A
Maximum Charging Current	50A
Maximum Discharge Current	50A
Bluetooth Connection	No
Self Heating	No
BMS Protetcion	Yes
Internal Resistance	25mΩ
Storage Temperature	20-30 °C
Charging Overheat Protection	85
Discharge Overheat Protection	85
Charging Overheat Recovery	60
Discharge Overheat Recovery	60
Charging Low Temp Protection	No
Charging Low Temp Recovery	No
Cycles	4000

# 12.8V 50AH

LiFePO4 Battery



## ECO-WORTHY

# PRODUCT DIMENSION



## Dimension

Length	232 mm
Width	135 mm
Height	181 mm
Weight	5.74KG
Terminals	M6

## Material

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**