



# 10/20/30/50AH 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)				
	10AH	20AH	30AH	50AH
Nominal Voltage	12.8V	12.8V	12.8V	12.8V
Rated Capacity	10Ah	20Ah	30Ah	50Ah
Absorption Voltage	14.4V	14.4V	14.4V	14.4V
Temperature Compensation	No	No	No	No
Charging Cut-off Voltage	14.6V	14.6V	14.6V	14.6V
Discharge Cut-off Voltage	10V	10V	10V	10V
Recommended Charging Current	5A	10A	15A	25A
Maximum Charging Current	10A	20A	30A	50A
Maximum Discharge Current	10A	20A	30A	50A
Bluetooth Connection	No	No	No	No
Self Heating	No	No	No	No
BMS Protection	Yes	Yes	Yes	Yes
Internal Resistance	25mΩ	25mΩ	25mΩ	25mΩ
Storage Temperature	20-30 C	20-30 C	20-30 C	20-30 C
Charging Overheat Protection	53	90	90	85
Discharge Overheat Protection	75	90	90	85
Charging Overheat Recovery	49	80	80	60
Discharge Overheat Recovery	60	85	85	60
Charging Low Temp Protection	-10	No	No	No
Charging Low Temp Recovery	-5	No	No	No
Cycles	4000	4000	4000	4000

# 12.8V 10/20/30/50AH

## LiFePO4 Battery



ECO-WORTHY

# PRODUCT DIMENSION



10AH



20AH



30AH



50AH

## Dimension

	10AH	20AH	30AH	50AH
Length	152 mm	180 mm	183 mm	232 mm
Width	65 mm	76 mm	83 mm	135 mm
Height	96 mm	166 mm	176 mm	181 mm
Weight	1.05KG	2.6KG	3.2KG	5.74KG
Terminals	F2	M5	M5	M6

## Material

	10AH	20AH	30AH	50AH
Case and Cover	ABS	ABS	ABS	ABS
Color	Black	Black	Black	Black