



280AH 12V LITHIUM BATTERY

Specifications

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.

Lithium Iron Phosphate (LiFePO4)

Nominal Voltage	12.8V
Rated Capacity	280Ah
Absorption Voltage	14.2-14.4V
Temperature Compensation	No
Charging Cut-off Voltage	14.6V
Discharge Cut-off Voltage	10V
Recommended Charging Current	140A
Maximum Charging Current	160A
Maximum Discharge Current	140A (standard) 250A (continuous) 850A (surge)
Bluetooth Connection	No
Self Heating	No
BMS Protection	Charging Overcurrent Short-circuit High Temperature
Internal Resistance	≤1.2 mΩ
Storage Temperature	-20-25°C
Charging Overheat Protection	60-70°C
Discharge Overheat Protection	80-90°C
Charging Overheat Recovery	55-65°C
Discharge Overheat Recovery	45-75°C
Charging Low Temp Protection	No
Charging Low Temp Recovery	No
Cycles	3000-5000

PRODUCT DIMENSIONS



Dimensions

Length	21 in / 533 mm
Width	9.5 in / 241 mm
Height	8.8 in / 224 mm
Weight	63.9 lbs / 29 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