

## Redway Battery

# 24V 200Ah LiFePO4 Battery

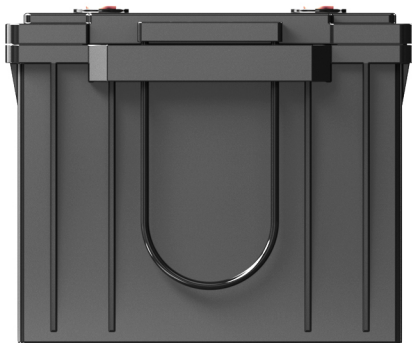
### Redway LiFePO4 Battery

Redway Battery specializes in providing a diverse selection of battery sizes and configurations to cater to a wide range of applications. Whether you need standard battery options or have unique power requirements, our team of experienced engineers is here to assist you throughout the entire process of designing, developing, testing, and manufacturing custom battery solutions tailored to your specific needs. Feel free to reach out to us today to learn more about our comprehensive range of battery solutions and how we can create a customized solution for you.

### Features

- High cycle life > 6000 times
- Networkable battery monitoring
- 5 years warranty
- Circuit protection





## General

Nominal Voltage	25.6V
Battery Chemistry	LiFePO4
Capacity	200 Ah
Energy Storage	5120 kWh
Protected	BMS V4.1
Max Charge Current	100A (0.5C) continuous / 200A(1C) continuous
Max Discharge Current	200A continuous
Self-discharge Rate <sup>[1]</sup>	< 1% per month
Cycle Life	~ 6000 cycles @ 1C to 80% depth of discharge up to 100°F (38°C)
Battery Voltage Range	20V ~ 29.2V
Optional Functions	With Bluetooth / Heating / Active Balance / Switch / LED Screen
Storage Life <sup>[1]</sup>	5 years
Warranty	5 years materials and workmanship

<sup>[1]</sup> @ 77 °F (25 °C)

## Environmental

Operating Temperature	32°F to 140°F (0°C to 60°C)
Storage Temperature <sup>[2]</sup>	-4°F to 149°F (-20°C to 65°C)

<sup>[2]</sup> Prolonged exposure to high

## Certifications

Cell	UN38.3 / IEC62619 / UL 1642
Battery Pack	UN38.3 / CE / IEC62133 / MSDS (More available upon request)

## Dimensions (L x W x H)

Dimensions	20.59*10.59*8.58 inch (523*269*218 mm)
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## More Info

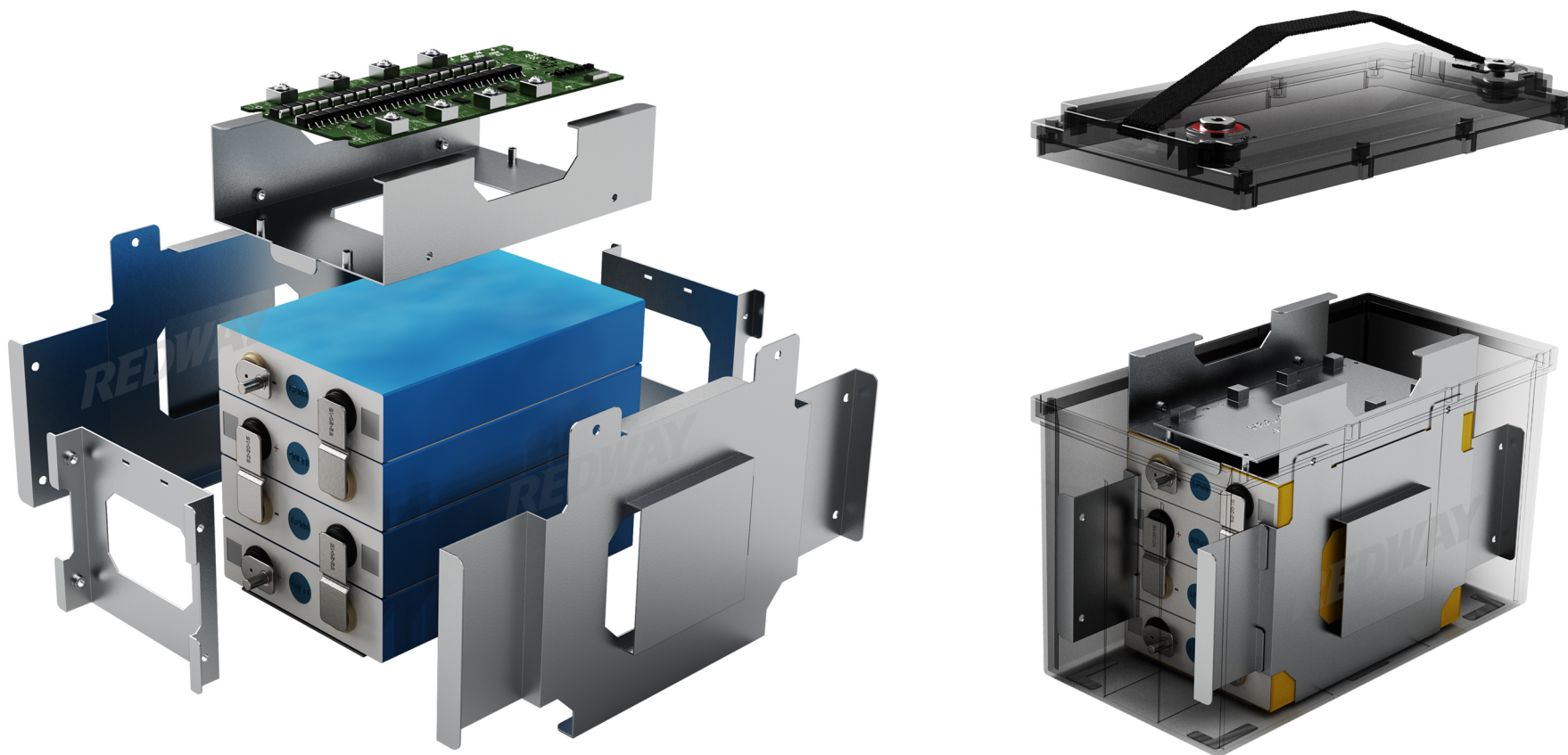
Protection Level	IP66
Terminal	M8
OEM/ODM	Acceptable
Factory Certificate	ISO 9001 2015 / ISO 14001



## Redway LiFePO4 Battery

### Deep Cycle and Maintenance Free

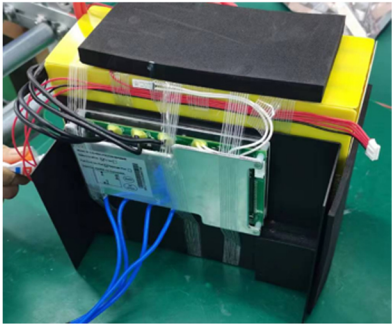
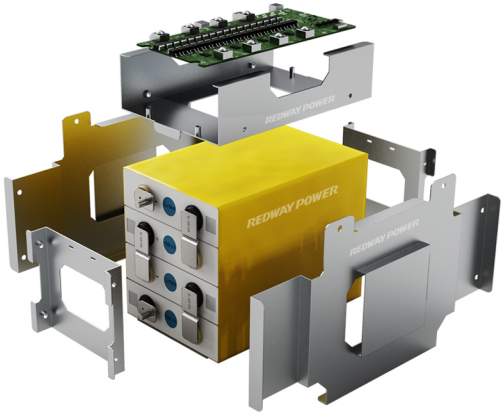
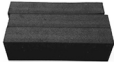

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You can customize a lot about your equipment, but you can't customize your battery. That's for us to do, and you can trust that we did it right. Not only are Lithium Iron Phosphate Batteries built smarter, but they're also built to the highest quality standards.



## Internal Structure Comparison

The Traditional Internal Structure	The Unique Internal Design with Steel Metal Bracket (Redway)
	
<b>Material for Fixing Gap:</b> EVA Cotton, Tap 	<b>Material for Fixing Gap:</b> Plate Metals, Screws 
<b>Features:</b> <p>EVA is filled around the battery to limit, and the internal limit is not fixed by mechanical structure. In addition, EVA will shrink slightly after a long time of use, and the battery cell will shake.</p>	<b>Features:</b> <ol style="list-style-type: none"> <li>1. Provides frame of protection for internal components like BMS, Battery modules and module connectors for safety purposes.</li> <li>2. The sheet metal bracket is fixed, which can make the internal structure ingenious and the installation simple. Stable structure, better shock and drop resistance.</li> <li>3. It can be fixed on 6 sides (all directions) between the battery cell and the shell, and between the BMS and the battery cell. However the traditional way is to fill the gap with EVA and combine the BMS and the battery with tape.</li> <li>4. The BMS is fixed to the upper cover of the sheet metal main part by screws, which is convenient for maintenance and replacement.</li> </ol>