

## SolarTech Power Solutions

# How much does a 314ah energy storage battery cost

## 12.8V 200Ah



## Overview

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What is a 314ah LiFePO4 battery?

Simply put, the 314ah LiFePO4 battery is an upgraded version of the 280ah LiFePO4 battery. They are both lithium iron phosphate battery cells with the same nominal voltage and size, and are both used in energy storage systems. However, the 314ah battery has a larger capacity, a higher energy density, and can store more electricity.

How long does a 314ah battery last?

It is said that the upgraded 314Ah battery cell uses a breakthrough lithium replenishment technology, and the cycle life has been greatly increased to 15,000 times. There is no doubt that CALB's 314Ah is also used in its 5MWh liquid-cooled energy storage system products.

What is a 314ah battery?

On September 16, 2023, CALB officially announced "the world's first mass-produced and delivered 314Ah high-energy density, long-life energy storage battery cell and supporting solutions" at the RE+ exhibition in the United States.

Will CATL make 314ah battery cells in 2023?

As the industry leader, CATL was the first to reveal the news of mass production of 314ah battery cells in August 2023. At that time, CATL announced its new containerized energy storage product: the 5MWh EnerD series liquid-cooled energy storage cabinet.

Can a 314ah LiFePO4 battery reduce CO2e emissions?

Taking the REPT 314Ah LiFePO4 battery cell product as an example, at an efficiency of 96.4%, a single battery can reduce 31.4kg CO<sub>2</sub>e emissions. In the Japanese market, 314Ah LiFePO4 battery cells and 5MWh energy storage systems have penetrated rapidly.

What is a 314 Ah battery cell?

Sunwoda's 314Ah battery cell is suitable for a wide range of #energystorage applications and has already been successfully deployed in both utility-scale and C&I BESS. The size of the 314 Ah cell of #SEVB is consistent with that of the 280 Ah cell commonly used in the market (71173), with a 12% increase in capacity for the same volume.

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