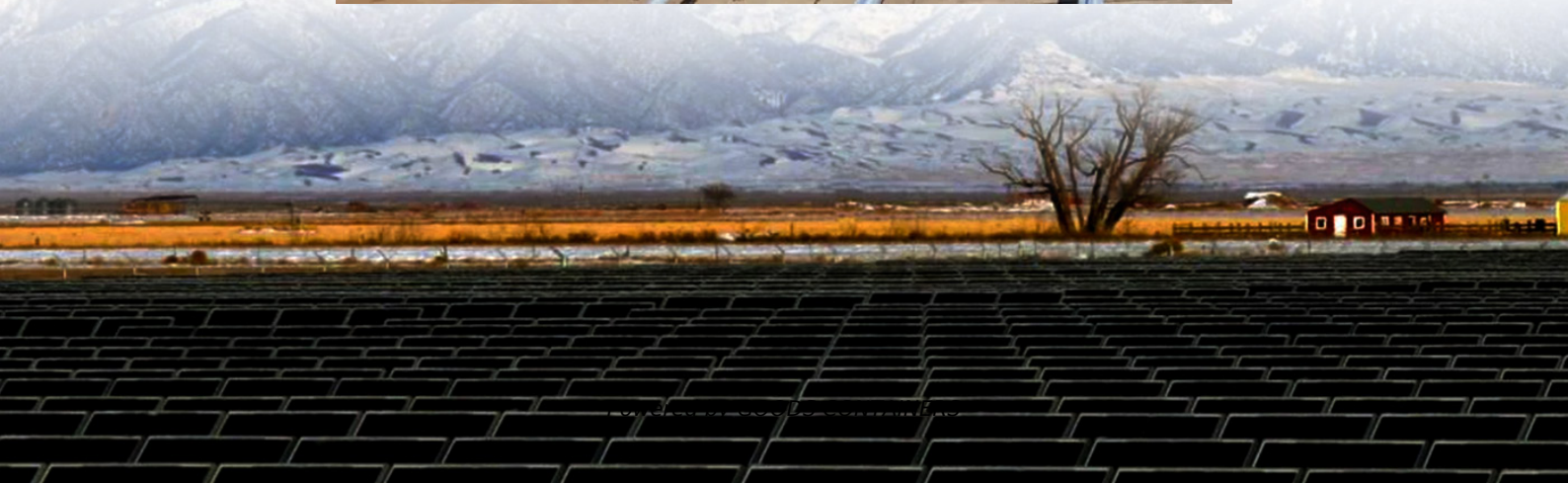


Lithium iron phosphate battery pack has a single cell of 2.7 volts





Overview

What is a lithium iron phosphate battery?

Lithium iron phosphate battery, commonly known as LiFePO₄ Battery or LFP Battery. Lithium iron phosphate battery [lifepo₄ battery cell] is a lithium-ion battery using lithium iron phosphate as the cathode material and carbon as the negative electrode material, with a single cell rated at 3.2V and a charging cut-off voltage of 3.6V~3.65V.

What are lithium iron phosphate (LiFePO₄) batteries?

Lithium iron phosphate (LiFePO₄) batteries are known for their high safety, long cycle life, and excellent thermal stability. They come in three main cell types: cylindrical, prismatic, and pouch. Each of these types has distinct characteristics that make them suitable for various applications.

What are the different types of lithium phosphate batteries?

1. Cylindrical LiFePO₄ Cells Cylindrical LiFePO₄ cells are the most commonly used type of lithium iron phosphate batteries. They resemble the shape of traditional AA or AAA batteries and are widely employed in applications where high power and durability are essential.

Is lithium iron phosphate battery safe?

High Safety The olivine crystal structure of lithium iron phosphate (LiFePO₄) prevents the release of oxygen when overcharged or overheated. This stability reduces the risk of thermal runaway, fire, or explosion, making lithium iron phosphate battery cell safer than many alternatives.



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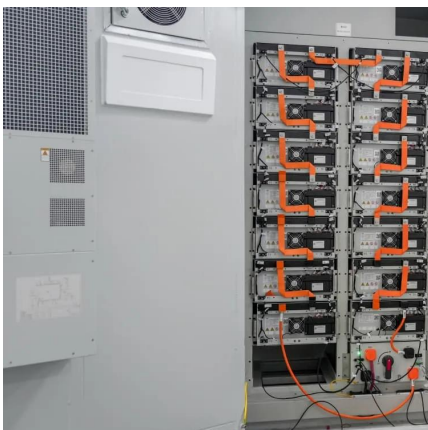
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