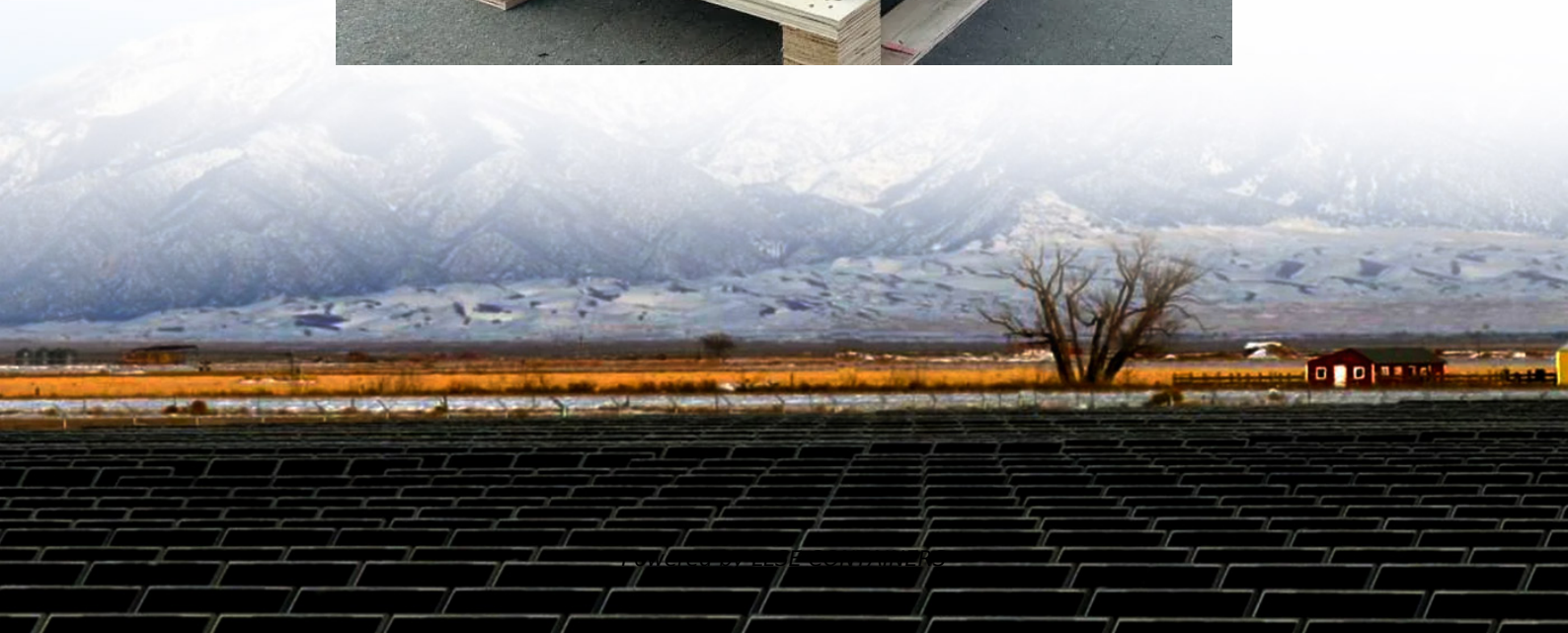


Lithium iron phosphate 21700 battery cell





Overview

What is a 21700 battery?

A 21700 battery is a high-capacity, rechargeable lithium-ion cell designed for superior energy efficiency and performance. With a standard size of 21mm in diameter and 70mm in length, these batteries were developed as a next-generation improvement over 18650 cells, offering increased power output, extended runtime, and higher energy density.

Are 21700 batteries based on lithium ion?

However, most 21700 cells are based on lithium-ion (Li-ion) technology, which is widely used across many types of rechargeable batteries due to its excellent energy density and long lifespan. There are several types of lithium-ion chemistries that could be used within the 21700 format:

What is the difference between 18650 and 21700 batteries?

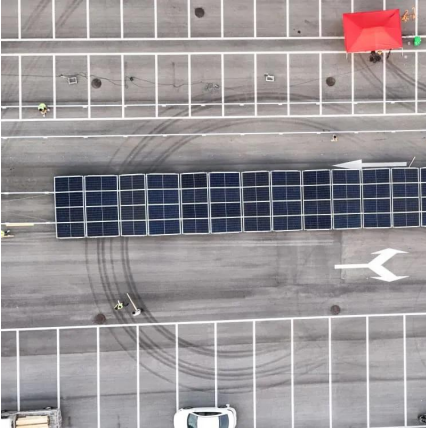
On the other hand, they are expensive and must use monitoring electronics to ensure over-charge and deep-discharge protection. One of the most common types of cells is the 18650 battery and the 21700 battery. The 21700 battery is a high-capacity 3.7V lithium-ion battery that is more recent than the 18650 battery.

Are 21700 batteries safe?

Unprotected 21700 batteries: Lack built-in safety features and are generally used in battery packs with external battery management systems (BMS). 21700 batteries are widely used in: Electric vehicles, with companies like Tesla and other manufacturers using them in battery packs for improved energy storage and performance.



Lithium iron phosphate 21700 battery cell



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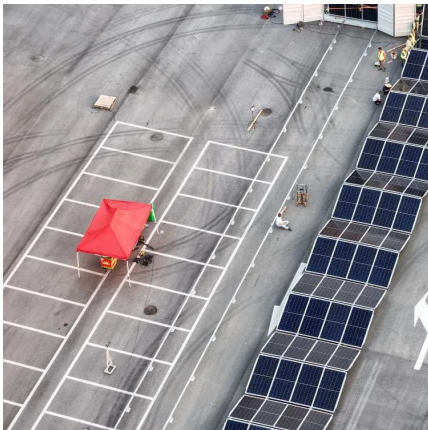
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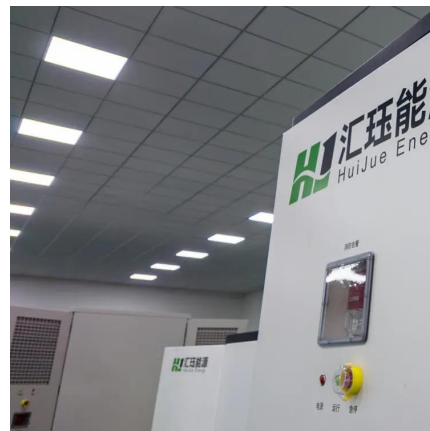


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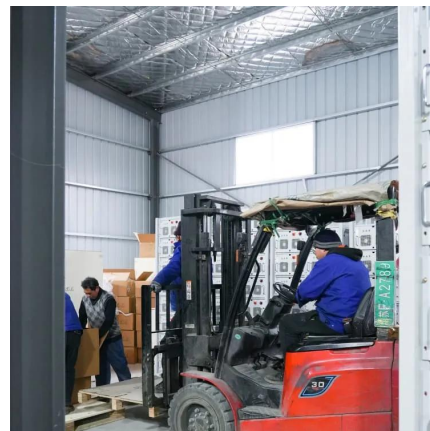


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