

Difference between cylindrical battery and lithium iron phosphate battery





Overview

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.

What are the different types of lithium batteries?

The three shapes of lithium batteries will eventually become cylindrical batteries, prismatic batteries and lithium polymer batteries through cylindrical winding, prismatic winding, and prismatic lamination. Different packaging structures mean different characteristics, so what are their differences?

Part 1. What's the cylindrical lithium battery?

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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 is a cylindrical battery?

At present, cylindrical batteries are mainly steel-cased cylindrical lithium iron phosphate. This cylindrical battery has high capacity, high output voltage, and good charge and discharge cycle performance. Lithium iron phosphate belts are promised to be used in solar lamps, lawn lamps, backup energy sources, power tools, toy models, etc.



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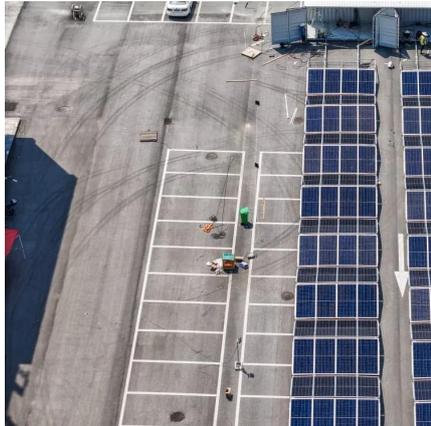
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