



BUHLE POWER

Cylindrical LiFePO4 battery





Overview

What are the different types of LiFePO4 battery cells?

Kinstar offers two types of LiFePO4 (LFP) battery cells - cylindrical and prismatic. Both provide reliable and sustained power for high power applications. Standard cylindrical cell models such as 18650, 26650, 32650, 38120. Prismatic cells are similar to Li-Polymer cells, they can be developed to various flexible sizes.

Why should you choose a cylindrical LiFePO4 battery?

Long Cycle Life: These cells can endure thousands of charge and discharge cycles, providing a long lifespan, which is crucial for applications like electric vehicles and solar energy storage. **High Safety:** Compared to other lithium-ion batteries, cylindrical LiFePO4 cells are less prone to overheating or catching fire.

How long does a LiFePO4 battery last?

LiFePO4 batteries perform well in several areas, especially life span. Nominal capacity should be remaining 80% after 2000 cycles. Unlike other lithium ion batteries, LiFePO4 batteries have a very constant discharge voltage. Voltage stays close to 3.2 V during discharge until the cell is exhausted.

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.



Cylindrical LiFePO4 battery



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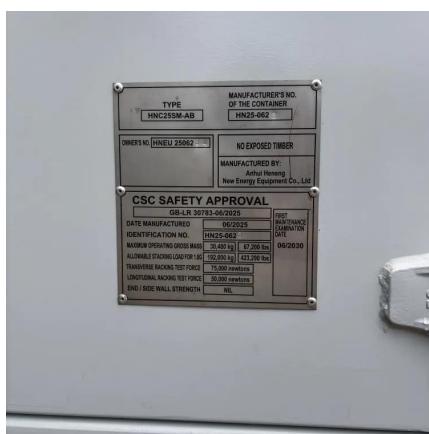
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