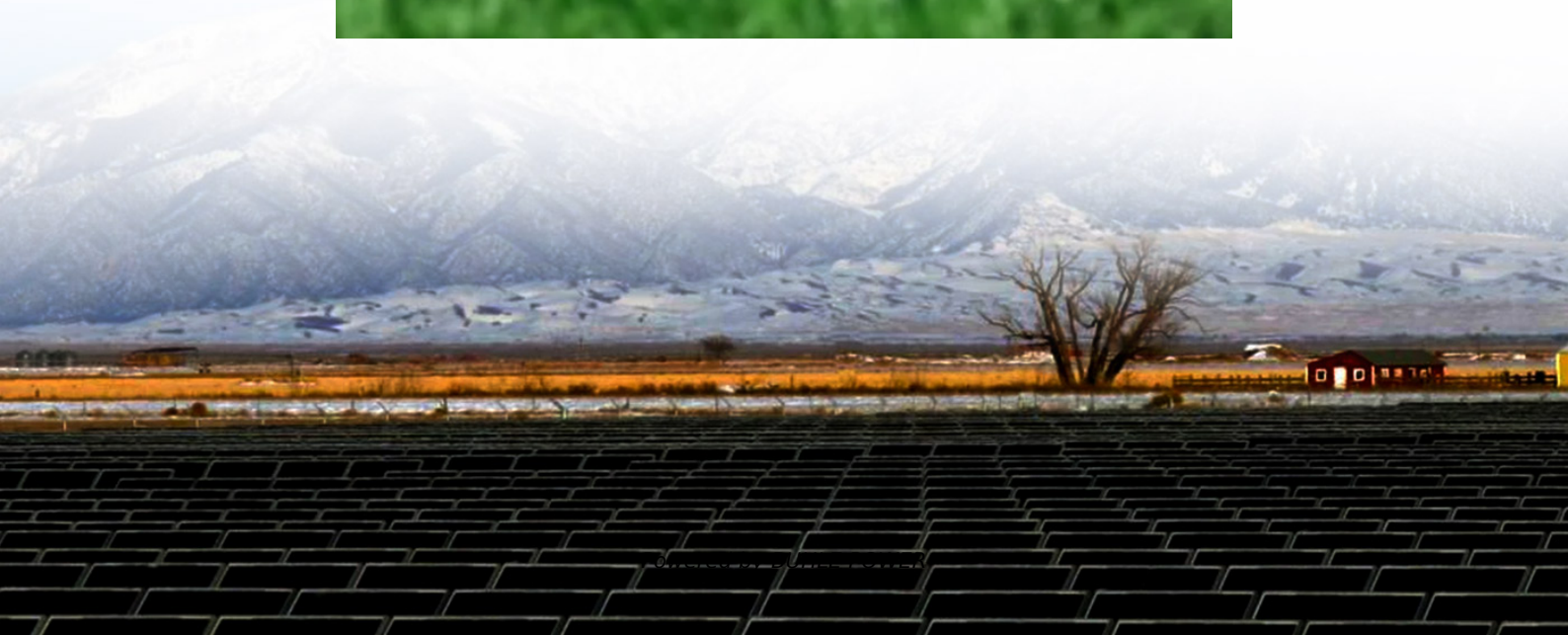


Cylindrical LiFePO4 battery





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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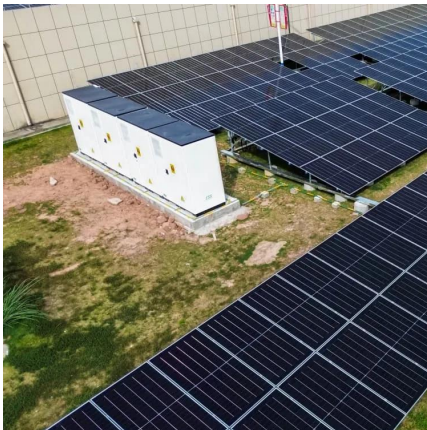
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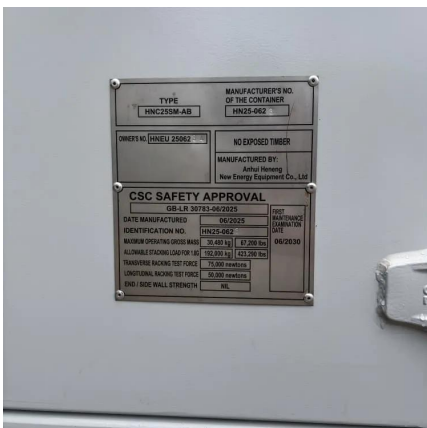


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