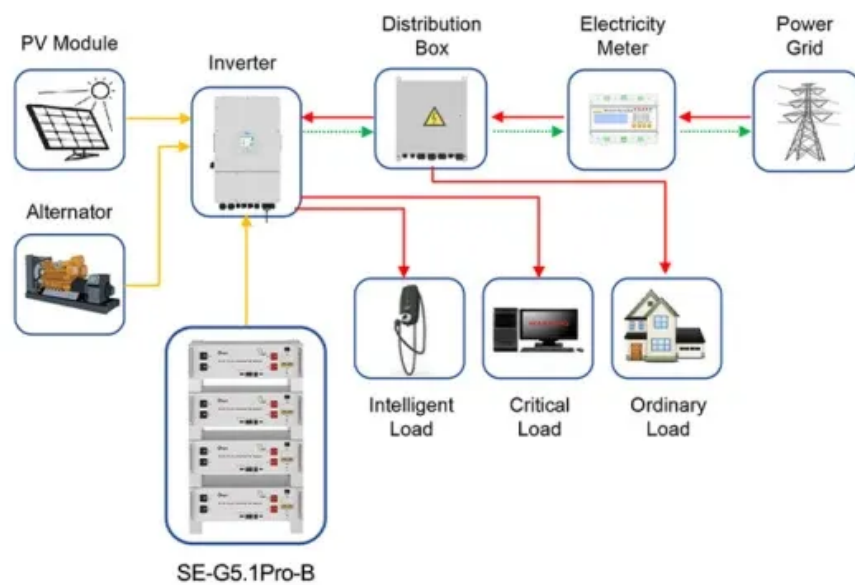


## A-Core Container

# Semi-finished lithium iron phosphate battery pack



Application scenarios of energy storage battery products

## Overview

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What is a LiFePO4 battery pack?

With a capacity of up to 15KWh, it offers long-lasting power, ensuring your household remains powered by renewable energy even during cloudy days or at night. Built with LiFePO4 (Lithium Iron Phosphate) technology, this battery pack offers superior safety compared to other lithium-ion technologies.

How many cycles does a lithium phosphate battery last?

A Lithium Phosphate LiFePO4 Battery charged at 1C can typically achieve around 2000 cycles. It offers notable safety features, such as resistance to puncture-induced explosions and a reduced risk of burning when overcharged. The lithium iron phosphate cathode material enables the seamless use of large-capacity lithium batteries in series.

What is a lithium iron phosphate cathode?

The lithium iron phosphate cathode material enables the seamless use of large-capacity lithium batteries in series. The LiFePO4 battery operates within a voltage range of 2.8V to 3.65V, with a nominal voltage of 3.2V, and functions effectively across a wide temperature range (-20°C to +75°C).

Are LiFePO4 batteries eco-friendly?

Plus, LiFePO4 batteries are environmentally friendly and offer a longer lifespan, reducing waste and promoting sustainability. Equipped with a 200A JK BMS, the Starmax Energy LiFePO4 battery ensures efficient charging and discharging cycles.

Why are LiFePO4 batteries gaining popularity in the electric vehicle market?

LiFePO4 batteries are gaining popularity in the electric vehicle market. This is due to their safety features and long cycle life. EV manufacturers appreciate the stability and reliability of LiFePO4 battery packs. They provide consumers with a more secure and durable energy storage solution. LiFePO4 batteries

play a crucial role in storing energy.

Are lithium-ion batteries ethical?

Cobalt is a crucial component in many lithium-ion batteries. It is associated with environmental and ethical concerns due to mining practices in some regions. LiFePO<sub>4</sub> batteries, on the other hand, contain no cobalt. So, mitigating concerns related to its scarcity and unethical sourcing is not a worry.

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### Contact Us

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