

# 22A cylindrical lithium iron phosphate battery





## Overview

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What is a cylindrical lithium ion battery?

Cylindrical cells are one of the most widely used lithium ion battery shapes due to ease of use and good mechanical stability. The tubular cylindrical shape can withstand high internal pressures without collapsing. Melasta produces multiple sizes and capacities according to the customer requirement.

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  $\text{LiFePO}_4$  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).

Who makes the safest lithium iron phosphate ( $\text{LiFePO}_4$ ) battery pack?

Keheng, as an LPF Battery Cell manufacturer, produces the safest Lithium Iron Phosphate ( $\text{LiFePO}_4$ ) battery packs, which is the optimal solution for energy storage, power, medical, industrial, and commercial applications with its high safety, long cycle life, and no memory effect.

How many cycles can a lithium phosphate  $\text{LiFePO}_4$  battery run?

A Lithium Phosphate  $\text{LiFePO}_4$  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.



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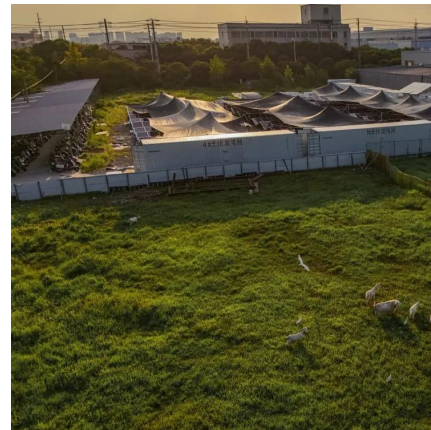


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### [LiFe-Shenzhen Melasta Battery Co., Ltd](#)

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Aug 15, 2025 · Properties: Cylindrical lithium iron phosphate secondary battery Nominal capacity: 24Ah Nominal voltage: 3.2V Impedance:  $\leq 3.0$  m $\Omega$  (50%SOC) Cut-off charge voltage: ...



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