

22A cylindrical lithium iron phosphate battery





Overview

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 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 (LiFePO_4) battery pack?

Keheng, as an LFP Battery Cell manufacturer, produces the safest Lithium Iron Phosphate (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 LiFePO_4 battery run?

A Lithium Phosphate 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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