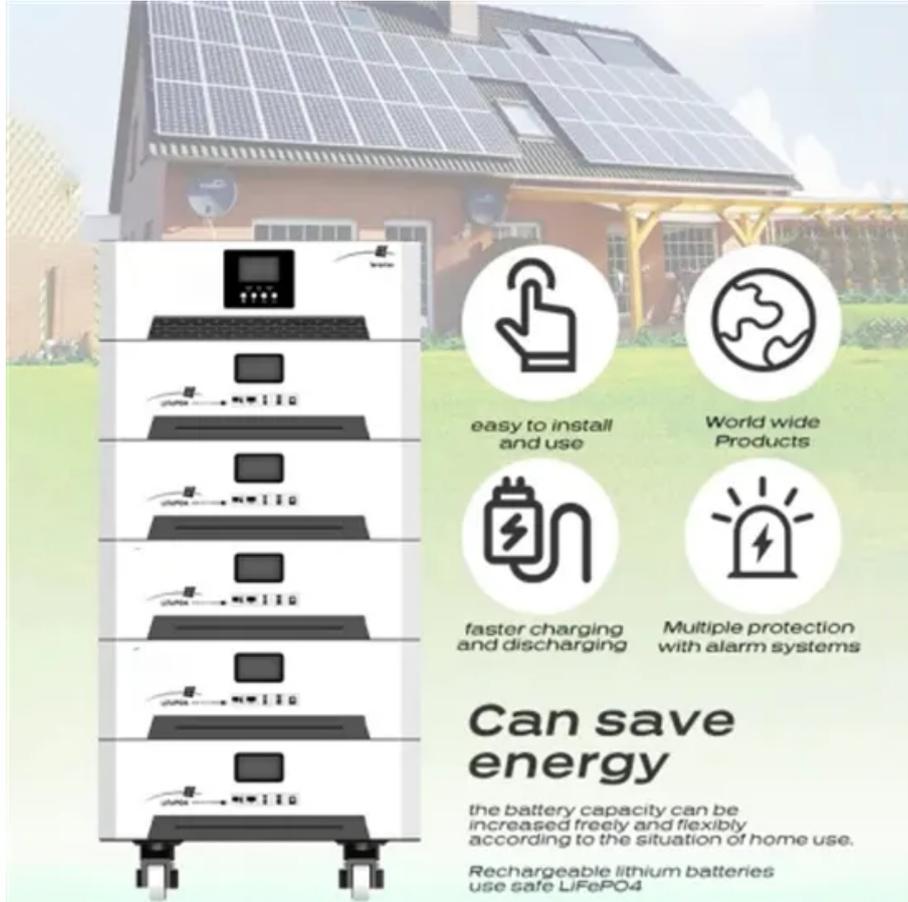


For li ion battery



 *easy to install and use*

 *World wide Products*

 *faster charging and discharging*

 *Multiple protection with alarm systems*

Can save energy

the battery capacity can be increased freely and flexibly according to the situation of home use.

Rechargeable lithium batteries use safe LiFePO₄



Overview

Lithium-ion batteries stand out for their high energy density, lightweight design, and long cycle life, making them ideal for modern applications such as smartphones, EVs, and power tools. They charge quickly and are rechargeable up to 1,000–3,000 cycles. However, they come at a cost. A lithium-ion battery or Li-ion battery is a type of rechargeable battery that uses the reversible intercalation of Li^+ ions into electronically conducting solids to store energy. Compared to other types of rechargeable batteries, they generally have higher specific energy, energy density, and cycle life. Explore lithium-ion battery types, how they work, cell formats, safety advancements, Unico's expert insights, and future innovations driving efficiency in EVs and energy storage. Lithium-ion (Li-ion) batteries are essential to today's connected world. Understanding what a Li-ion battery is and how it works can help you make the best choice for your needs. Check each product page for other buying options. Only 13 left in stock - order soon. From laptops and cell phones to hybrids and electric cars, this technology is growing in popularity due to its light weight, high energy density, and ability to recharge. The rechargeable battery was invented in 1859 with a lead-acid chemistry that is still used today.

For li ion battery



Lithium-ion Battery

Handheld electronics mostly use lithium polymer batteries (with a polymer gel as electrolyte), a lithium cobalt oxide (LiCoO₂) cathode material, and a graphite anode, which offer high energy density. Li-ion ...

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Lithium-ion battery

A lithium-ion battery or Li-ion battery is a type of rechargeable battery that uses the reversible intercalation of Li + ions into electronically conducting solids to store energy.



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What are Lithium-Ion Batteries? Everything You Need to Know

Learn what are lithium-ion batteries, their functionality, advantages, and applications. See how they compare with lead-acid and lithium iron phosphate batteries.

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What is a Lithium-Ion Battery and How Does it Work?

Discover lithium-ion battery types, cell formats, safety advancements, performance improvements, and expert insights on future innovations in battery technology.

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TAX FREE






Product Model
 HJ-ESS-215A(100KW/215KWh)
 HJ-ESS-115A(50KW 115KWh)

Dimensions
 1600*1280*2200mm
 1600*1200*2000mm

Rated Battery Capacity
 215KWH/115KWH

Battery Cooling Method
 Air Cooled/Liquid Cooled



What Is a Li-ion Battery? Your Complete Guide 2025

The abbreviation for lithium-ion battery



is Li-ion; its electrodes and long-cycle life across applications from portable electronics to electric vehicles (reference: The Clean Energy Institute).

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How Lithium-ion Batteries Work , Department of Energy

Lithium-ion batteries power the lives of millions of people each day. From laptops and cell phones to hybrids and electric cars, this technology is growing in popularity due to its light weight, ...

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Support Customized Product

114KWh ESS















A Beginner's Guide to Lithium-Ion Battery Technology

When you charge a lithium-ion battery, lithium ions move from the cathode to the anode through an electrolyte. During discharge, the ions flow back to the cathode, releasing energy that ...

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Lithium-Ion Battery

What is a lithium-ion battery and how does it work? The lithium-ion (Li-ion) battery is the predominant commercial form of rechargeable battery, widely

used in portable electronics and electrified ...

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