

SolarInvert Energy Solutions

Lithium battery market forecast



Overview

Global demand for Li-ion batteries is expected to soar over the next decade, with the number of GWh required increasing from about 700 GWh in 2022 to around 4.7 TWh by 2030 (Exhibit 1). Batteries for mobility applications, such as electric vehicles (EVs), will account for the vast bulk of.

The global battery value chain, like others within industrial manufacturing, faces significant environmental, social, and governance (ESG).

Some recent advances in battery technologies include increased cell energy density, new active material chemistries such as solid-state batteries, and cell and packaging.

Battery manufacturers may find new opportunities in recycling as the market matures. Companies could create a closed-loop, domestic supply chain that involves the.

The 2030 outlook for the battery value chain depends on three interdependent elements (Exhibit 12): 1. Supply-chain resilience. A resilient battery value chain is one that is regionalized and diversified. We envision that each region will cover over 90 percent of.

The global lithium-ion battery market size was valued at USD 107.14 billion in 2024 and is projected to grow from USD 134.08 billion in 2025 to USD 578.20 billion by 2032, exhibiting a CAGR of 23.22% during the forecast period. What is the global lithium-ion battery market size?

The global lithium-ion battery market size was estimated at USD 54.4 billion in 2023 and is projected to reach USD 182.5 billion by 2030, growing at a CAGR of 20.3% from 2024 to 2030. Automotive sector is expected to witness significant growth owing to the low cost of lithium-ion batteries.

How much is the lithium-ion battery market worth in 2025?

The global Lithium-ion Battery Market in terms of revenue is estimated to be worth \$194.66 billion in 2025 and is poised to reach \$426.37 billion by 2033, growing at a CAGR of 10.3% during the forecast period.

Which region is leading the lithium-ion battery market?

Asia Pacific region is leading the Lithium-ion Battery Market. Lithium-ion Battery Market Size is valued at USD 56.3 Billion in 2024 and is predicted to reach USD 250.7 Billion by the year 2034 at a 16.2% CAGR during the forecast period for 2025-2034.

How big is the lithium-ion battery market in Asia Pacific?

The lithium-ion battery market in Asia Pacific is projected to reach USD 256.47 billion by 2033, growing at a CAGR of 10.5% during the forecast period.

Why is the lithium-ion battery market growing?

As a result, rising demand for LFP batteries drives the lithium-ion battery market, fueling innovation, affordability, and sustainability in the global transition to electrified transportation. Safety concerns and recycling and disposal expenses are significant barriers to the growth of the lithium-ion battery market.

What is the outlook for the lithium-ion battery market in 2023?

Automotive sector is expected to witness significant growth owing to the low cost of lithium-ion batteries. Asia Pacific dominated the global market and accounted for the largest revenue share of 47.0% in 2023. The lithium-ion battery market in Germany is expected to witness steady growth over the forecast period.

Lithium battery market forecast



Battery Market Outlook 2025-2030: Insights on ...

Feb 4, 2025 · Battery Market Outlook 2025-2030: Insights on Electric Vehicles, Energy Storage and Consumer Electronics Growth Global Battery Industry ...

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Trends in batteries - Global EV Outlook 2023 - ...

Aug 19, 2025 · The increase in battery demand drives the demand for critical materials. In 2022, lithium demand exceeded supply (as in 2021) despite the ...

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Lithium-ion (Li-ion) Batteries Market Analysis

3 days ago · Market Overview The Lithium-ion (Li-ion) Batteries market is experiencing robust growth, driven by the increasing demand for portable ...

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Lithium-ion Battery Market

Size, Scope, Growth ...

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Hot Colors:



Color can be customized
more questions just do not hesitate to contact us

LOGO Position: (Screen printing)



North America Lithium-ion Battery Market Size

The North America lithium-ion battery market size was estimated at USD 14.8 billion in 2023 and projected to grow at a CAGR of 20.9% from 2024 to 2030.

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Lithium Market Size to Hit Around USD 31.44 ...

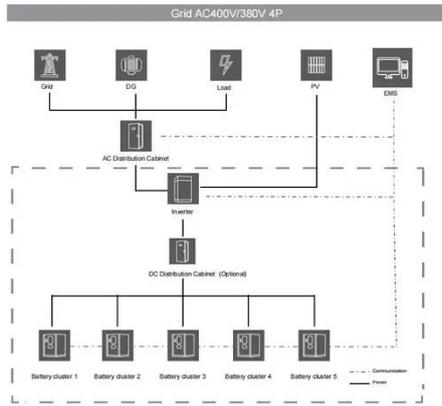
Jul 1, 2025 · Lithium Market Size and Forecast 2025 to 2034 The global lithium market size was estimated at USD 9.86 billion in 2024 and is predicted to ...

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Lithium Market Report , Industry Analysis, Size

Feb 27, 2025 · Lithium Market Size & Share Analysis - Growth Trends & Forecasts (2025 - 2030) The Lithium



Market report segments the industry into

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Lithium-ion Battery Market Size, Share , Forecast ...

Mar 11, 2024 · Lithium-ion Battery Market is projected to reach US\$ 483.4 billion by 2032, growing at a CAGR of 21.40% from 2024-2032.



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Battery Market Size, Share & Growth , Industry ...

Battery Market Size, Share & Trends Analysis Report By Material (Lead Acid, Lithium Ion, Nickel-based, Sodium-ion, Flow Battery), End-use (Aerospace, ...

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Lithium-Ion Battery Market Size, Share, Forecast to 2032

Lithium-Ion Battery Market Size The global lithium-ion battery market size was valued at USD 56.43 billion in 2023.

It is expected to reach USD 240.90 billion in 2032, growing at a CAGR of ...

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Long-term Lithium Market Report and Lithium ...

Feb 6, 2025 · SFA's long-term lithium market report provides you with a competitive edge. Our bespoke study examines, on a deep-dive basis, the ...

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Lithium Market Size, Share & Trends , Growth ...

Jul 28, 2025 · The global lithium market size is projected to grow from \$13.90 billion in 2024 to \$55.52 billion by 2032 at a CAGR of 18.9% during the ...

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Lithium-ion Battery Market Size to Worth USD 499.31 ...

May 28, 2025 · The global lithium-ion battery market size is estimated at USD 115.89 billion in 2025 and is anticipated



to reach around USD 499.31 billion by 2034, expanding at a CAGR of ...

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Global Lithium-Ion Battery Market Size, Trends, ...

Global Lithium-Ion Battery market size was valued USD 21 Bn in 2021 and grow USD 184.15 Bn by 2030 at a CAGR of 18.5% from 2022 to 2030

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Lithium-Ion Battery Market Size, Share, Forecast to 2032

Straits Research predicts that the global lithium-ion battery market revenue is projected to reach USD 240.90 billion by 2032, growing at a CAGR of 17.5%.

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Global Li-ion battery demand 2022-2030, Statista

Jul 11, 2025 · The global demand for lithium-ion battery cells is forecast to increase from approximately ***

gigawatt-hours in 2022 to ***** gigawatt-hours ...

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Lithium Market in 2025 and Beyond: Supply ...

Jan 13, 2025 · Lithium market in 2025: supply challenges, price forecasts, and the \$116 billion investment needed by 2030 for the global energy transition.

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Lithium-ion Battery Market Size to Reach USD ...

The Global Lithium-ion Battery Market size is expected to reach a market value of USD 84.3 billion in 2024 which is further projected to be valued at USD 470.5 ...

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Lithium-ion Battery Market Size, Share & Trends, 2025 To ...

The global Lithium-ion Battery Market in terms of revenue is estimated to be

worth \$194.66 billion in 2025 and is poised to reach \$426.37 billion by 2033, growing at a CAGR of 10.3% during ...



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Lithium-Ion Battery Market Size, Share, Growth Drivers

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Lithium-ion Battery Market Size, Share, Industry Forecast by ...

Lithium ion Battery Market Size The

global lithium-ion battery market size was USD 45.70 Billion in 2022 and is expected to register a revenue CAGR of 13.1% during the forecast period. ...

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India Lithium-ion Battery Market Size , Industry ...

The India lithium-ion battery market Size was valued at USD 573.07 million in 2023 and is expected to grow at a CAGR of 38.7% from 2024 to 2030

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Lithium-ion Battery Market Size to Worth USD ...

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Lithium Market Update: Q2 2025 in Review , INN ...

Jul 22, 2025 · Lithium hydroxide followed a similar trajectory, with Fastmarkets analysts noting an 89 percent drop in



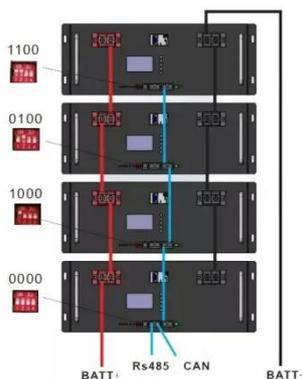
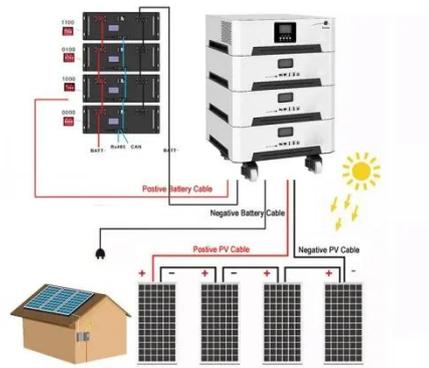
prices for battery-grade lithium ...

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Lithium-Ion Battery Market Forecast Report, ...

Nov 28, 2024 · Lithium-Ion Battery Market Forecast Report, 2023-2024 & 2032 Featuring BYD, Samsung, GS Yuasa, Johnsons Controls, and Exide ...

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Lithium-ion Battery Market Size, Share & Growth, 2032

Apr 16, 2025 · The global lithium-ion battery market was worth USD 68.40 billion in 2023 to reach a valuation of USD 222.44 billion by 2032 with a CAGR of 14%

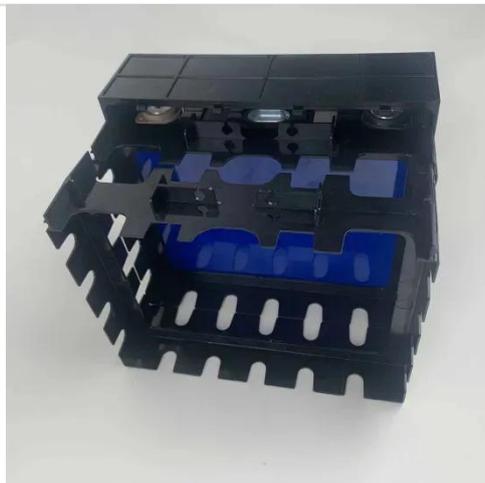
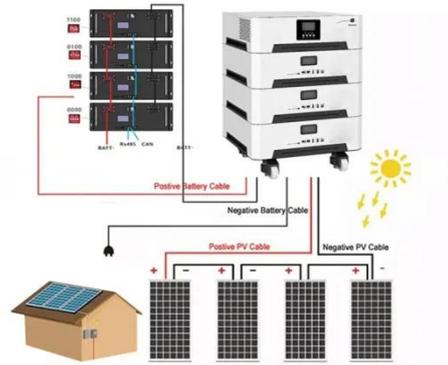
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Lithium-ion Battery Market Size, Share

The global market for lithium-ion battery (LIB) is expected to grow from \$117.8 billion in 2024 and is projected to reach

\$221.7 billion by the end of 2029, at a ...

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Trends in electric vehicle batteries - Global EV ...

2 days ago · More batteries means extracting and refining greater quantities of critical raw materials, particularly lithium, cobalt and nickel Rising EV battery ...

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