

PIENAAR ENERGY (PTY) LTD

Global demand for lithium batteries for energy storage



Overview

Analysts estimate that BESS will account for about 30% of global lithium demand by 2026, rising to 36% by 2030. Global lithium demand in lithium-carbonate-equivalent (LCE) terms could reach ~2. Demand is rising not only from energy storage but also from the. Today lithium-ion batteries are a cornerstone of modern economies having revolutionised electronic devices and electric mobility, and are gaining traction in power systems.

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Advancing energy storage: The future trajectory of lithium-ion battery

With continued advancements, lithium-ion batteries will remain a cornerstone of the global energy transition, requiring collaborative efforts among researchers, industry stakeholders, and ...

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Energy Storage Boom Strengthens Demand Outlook for Beaten-Down Lithium

Summary Energy storage could be game changer for lithium - analyst says Demand bolstered by China power sector reforms, data centre boom BEIJING/SINGAPORE, Jan 5 (Reuters) ...



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- High energy density and long cycle life
- Modular structure



- No need to replace the battery
- Shorter charging time
- Meets 99% EV car

Lithium May Get Much-Needed Demand Boost From Battery Storage

Giant utility-scale batteries, which absorb and store electricity for controlled release, are an increasingly important consumer of lithium. Though electric vehicles remain by far the biggest

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What's Driving Lithium Demand in 2025 and Beyond?

Lithium demand in 2025 is expanding under the combined weight of EV growth, surging energy storage deployment, and sustained policy support. Supply remains concentrated and ...



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How BESS and Lithium Demand Are Shaping Energy Storage: Global

The growing use of renewable energy, the rise of electric vehicles, and updates to the grid are increasing the demand for lithium and other battery materials. Moreover, the outlook for ...

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Status of battery demand and supply - Batteries and Secure Energy

Global investment in EV batteries has surged eightfold since 2018 and fivefold for battery storage, rising to a total of USD 150 billion in 2023. About USD 115 billion - the lion's share - was for EV batteries, ...



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Lithium-ion batteries



EVs predominantly rely on lithium-ion batteries for power and accounted for over 80 percent of the global lithium-ion batteries demand in 2024. Find up-to-date statistics and facts on

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Global lithium ion battery demand rose 29% in 2025

Battery demand from BESS increased by 51% in 2025, compared with 26% growth in demand from the EV sector, resulting in a continued rebalancing of demand towards stationary ...

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Energy storage boom strengthens demand outlook for beaten-down lithium

A boom in battery storage has bolstered the demand outlook for lithium in 2026, driving hopes for an accelerated turnaround for an industry struggling with oversupply.

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Battery storage to drive lithium demand growth globally

Grid-scale battery energy storage systems will become a growing part of lithium consumption in 2026, underpinned by an increasing emphasis on grid stability amid the transition to ...

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