

Successful bid price of sodium ion battery storage project in Mauritius 2025



Overview

On June 12th, Linyang Energy announced that a consortium formed by its Linyang Power Services and China Water Resources and Electric Power Corporation has successfully won the bid for the Mauritius government's grid side energy storage project, with a bid amount of 24.9889 million US dollars (excluding tax), equivalent to approximately 179 million yuan, accounting for 2.66% of the company's 2024 revenue. Are sodium-ion batteries competitive?

As of 2025, sodium-ion batteries are well-positioned to achieve cost parity with lithium-iron-phosphate (LFP) batteries, a key milestone for market competitiveness. With ongoing innovations and substantial investments, their adoption in energy storage systems, renewable grids, and budget EVs is expected to soar in the coming years.

Can sodium-ion batteries compete with low-cost Li-ion batteries?

Sodium-ion batteries are considered a promising substitute for Li-ion, but the timeline and conditions for achieving cost-competitiveness remain uncertain. This study evaluates their techno-economic potential, showing that while challenging, they could compete with low-cost Li-ion batteries by the 2030s under specific conditions.

Are sodium ion batteries a low-cost alternative to lithium-ion?

Provided by the Springer Nature SharedIt content-sharing initiative Sodium-ion batteries have garnered notable attention as a potentially low-cost alternative to lithium-ion batteries, which have experienced supply shortages and price volatility for key minerals.

What is a sodium ion battery?

This material delivers impressive energy density and stability, promoting scalability for both grid storage and EVs. The second-generation sodium-ion batteries introduced by Contemporary Amperex Technology Co., Limited (CATL) achieve energy densities of up to 200 Wh/kg, a significant improvement from earlier versions.

Are sodium ion batteries a viable substitute for Li-ion?

Sodium-ion (Na-ion) batteries present a potentially viable near-term substitute for Li-ion for two primary reasons: (1) increased abundance and availability of sodium suggests lower prices and (2) drop-in compatibility with Li-ion manufacturing infrastructure suggests rapid scaling timelines.

Which automakers have invested in sodium ion?

Volvo Cars became the first automaker to invest in sodium-ion, joining Altris's Series B round to co-develop Prussian-white packs for stationary storage. HiNa shipped production packs for China's budget Sehol E10X hatchback, proving real-world viability. CATL and Faradion both target that milestone by 2027, erasing the gap with current LFP cells.

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Qair secures financing for 60 MW hybrid solar-plus-storage

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Renewable energy developer Qair has secured financing from SBM Bank (Mauritius) Ltd for its Stor'Sun I and II hybrid solar-plus-storage projects. These two projects ...

Sodium Batteries Reach Industrial Explosion Point in ...

The lithium-ion battery industry continues to face unprecedented supply chain challenges in 2025. Recent data from Benchmark Mineral Intelligence shows lithium carbonate prices have increased by 28% year-to ...



Future Sodium Ion Batteries Could Be Ten Times ...

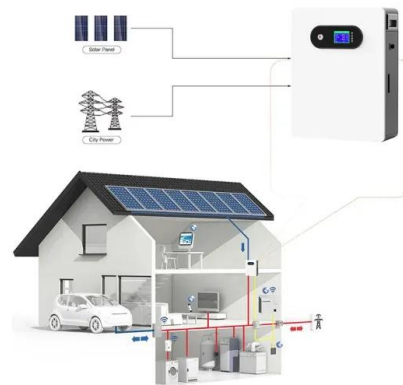
The first generation sodium ion are a bit cheaper than LFP but the volumes will not be worldchanging. However, the second generation sodium ion could reach \$40 per kWh. Iron LFP batteries could get to \$50/kWh with ...



Sodium-ion batteries - a viable alternative to lithium?

While lithium ion battery prices are falling again,

interest in sodium ion (Na-ion) energy storage has not waned. With a global ramp-up of cell manufacturing capacity under ...



Energy Storage Sodium Ion Battery Market

1 ??· The energy storage sodium ion battery market is projected to grow from USD 307.4 million in 2025 to USD 2,932.0 million by 2035, at a CAGR of 25.3%. Sodium sulfur battery will dominate with a 48.0% market share, while aqueous ...

Are Sodium Ion Batteries The Next Big Thing In Solar Storage?

Sodium ion batteries are next-generation energy storage products. How do they stack up against lithium ion batteries, the longtime consumer favorite?



Sodium-ion battery BREAKTHROUGH offers a faster, ...

In a world shackled by the limitations of lithium-ion batteries -- fraught with scarcity, ethical dilemmas, and soaring costs -- a breakthrough emerges from the shadows. Researchers in India have unveiled a sodium-ion ...

CATL's Sodium-Ion Batteries: A Cost-Effective Alternative to Lithium

CATL, the world's largest battery manufacturer, is making significant strides in Sodium-ion Battery technology. During an investor call on March 20, 2025, the company ...



Advancements and challenges in sodium-ion batteries: A ...

Sodium is abundant and inexpensive, sodium-ion batteries (SIBs) have become a viable substitute for Lithium-ion batteries (LIBs). For applications including electric vehicles ...

Future Sodium Ion Batteries Could Be Ten Times Cheaper for Energy Storage

The first generation sodium ion are a bit cheaper than LFP but the volumes will not be worldchanging. However, the second generation sodium ion could reach \$40 per kWh. ...



Interview: Sodium ion batteries: The future of energy storage?

Sustainable alternatives to lithium-ion batteries are crucial to a carbon-neutral society, and in her Wiley Webinar, 'Beyond Li', at the upcoming Wiley Analytical Science ...



U.S. battery storage capacity expected to nearly double in 2024

Developers expect to bring more than 300 utility-scale battery storage projects on line in the United States by 2025, and around 50% of the planned capacity installations will be ...



Exclusive: sodium batteries to disrupt energy storage ...

With costs fast declining, sodium-ion batteries look set to dominate the future of long duration energy storage, finds an AI-based analysis that predicts technological breakthroughs based on global patent data.

US battery storage boom extends into 2025; nearly 19 GW under

US developers of large-scale battery storage stations have 18.7 GW of new capacity under construction, according to S&P Global Commodity Insights Market Intelligence data, indicating ...





Sunrise Secures \$960,000 Grant for Breakthrough Sodium-Ion ...

"This milestone not only reinforces our leadership in lithium-ion battery materials but also establishes Sunrise as a benchmark for technological innovation in the emerging sodium-ion ...

Sodium-ion batteries in 2025: a snapshot of the fast-emerging ...

Bottom line: With CATL's Naxtra heading for mass production and more than 100 GWh of cumulative capacity now financed across three continents, sodium-ion is no longer ...



Sodium-ion batteries in 2025: a snapshot of the fast-emerging ...

Lithium-ion's spectacular growth has exposed hard limits--price spikes for lithium and nickel, fire-safety worries, and a supply chain concentrated in just a few countries. ...

Utility-Scale Battery Storage , Electricity , 2024 , ATB , NREL

The battery storage technologies do not calculate levelized cost of energy (LCOE) or levelized cost of storage (LCOS) and so do not use financial assumptions. Therefore, all parameters are ...



Sodium-ion batteries need breakthroughs to compete

Do's and don'ts for sodium-ion For the batteries to compete on price, specifically against a low-cost variant of the lithium-ion battery known as lithium-iron-phosphate, the study highlights



Comprehensive review of Sodium-Ion Batteries: Principles, ...

Sodium-ion batteries have a significant advantage in terms of energy storage unit price compared to lithium-ion batteries. This cost-effectiveness stems from the abundance and ...



Critically assessing sodium-ion technology roadmaps ...

We compare projected sodium-ion and lithium-ion price trends across over 6,000 scenarios while varying Na-ion technology development roadmaps, supply chain scenarios, market penetration and



Sodium-Ion Battery Market: Impressive CAGR Forecast Until 2033

The Sodium-ion Battery market is experiencing significant growth, driven by a rising demand as a sustainable alternative to Lithium-ion batteries. In 2024, the global market ...



Telecommunications Consultants India Invites Bids For Solar ...

The project is significant for Mauritius, as it aims to enhance renewable power generation and reduce dependency on fossil fuels in remote island regions. By installing micro ...

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Batteries and Secure Energy Transitions - Analysis

In the power sector, battery storage is the fastest growing clean energy technology on the market. The versatile nature of batteries means they can serve utility-scale projects, behind-the-meter storage for households and ...



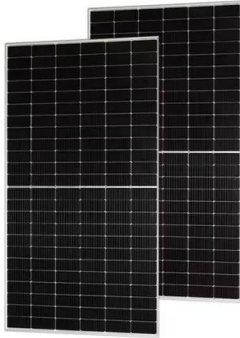
Enabling renewable energy with battery energy ...

These developments are propelling the market for battery energy storage systems (BESS). Battery storage is an essential enabler of renewable-energy generation, helping alternatives make a steady contribution to the ...

Energy Storage Sodium Ion Battery Market, Size ...

The energy storage sodium ion battery market size crossed USD 245.3 million in 2024 and is set to grow at a CAGR of 25.3% from 2025 to 2034, driven by rising demand for safer, thermally stable batteries that reduce fire and explosion risks ...





Sodium-ion Batteries: Inexpensive and Sustainable Energy ...

Sodium-ion batteries are an emerging battery technology with promising cost, safety, sustainability and performance advantages over current commercialised lithium-ion batteries. ...

Sodium-ion Batteries 2025-2035: Technology, ...

This has intensified the search for alternative energy storage chemistries, with sodium-ion batteries (SIBs or Na-ion batteries) emerging as a ...



Sodium-ion batteries - "built for trade resilience"

Amid rising tariffs, export restrictions and geopolitical tensions, the push for a resilient battery industry is gaining urgency. Sodium-ion is emerging as a promising alternative to lithium-ion, according to a report by ...

Natron Energy Stock Analysis: Understanding the ...

The company operates within the energy storage and battery manufacturing sector. It specifically focuses on the emerging sodium-ion battery industry that offers cost advantages over traditional lithium-ion technologies.



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