

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



Overview

How much will Portugal spend on energy storage projects in 2025?

From ESS News Portugal's Ministry of Energy has announced that it has allocated €100 million (\$104.2 million) to 43 energy storage projects which should be installed by the end of 2025. A total of 79 applications were vying for grant support secured under the country's Recovery and Resilience Plan (RRP).

Does Portugal support battery energy storage projects?

Portugal has awarded grant support to around 500MW of battery energy storage system (BESS) projects, using EU Recovery and Resilience Plan (RRP) funding, a bloc-wide scheme that has supported energy storage across the continent.

Are sodium-ion batteries the future of energy storage?

Sodium-ion batteries are being leveraged across multiple industries. Utility companies are at the forefront of their deployment, as demonstrated by HiNa Battery's 100MWh energy storage project. These batteries provide an affordable alternative for renewable energy grid storage, helping stabilize energy supply.

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.

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.

Does greenvolt have a Bess project in Portugal?

Greenvolt and Galp have both deployed 5MW BESS projects in Portugal in the past. In eastern Europe, Moldova is in the process of completing a bidding process for the procurement of a 75MW BESS and 22MW internal combustion engine (ICE) project, called the Moldova Energy Security Project (MESA).

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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 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 key solution. Within this report, the prospects and key challenges for the commercialization of SIBs ...



2025 Energy Predictions: Battery Costs Fall, Energy ...

Experts predict what 2025 holds for U.S. energy policy: EV battery costs fall, energy storage demand surges, carbon removal hits scale, permitting reform in D.C.

Sodium-ion batteries face uphill struggle to beat lithium-ion on ...

A new Stanford University study finds that there are several several key routes that sodium-ion battery developers can take to compete on price, specifically against a low ...



SodiumBattery

Empowering businesses with precision, safety, and intelligence, they aim to redefine energy storage and sustainably shape its future. E-Bike Manufacturer C partnered with SodiumBattery ...

Portugal Sodium Ion Battery Market (2025-2031) , Forecast & Share

Market Forecast By Type (Sodium-Sulphur Battery, Sodium-Salt Battery, Sodium-Air Battery), By Application (Stationary Energy Storage, Transportation) And Competitive Landscape



World's Largest Sodium-ion Battery Energy Storage ...

(Yicai) July 1 -- China Datang said the first phase of its sodium-ion battery new-type energy storage power station project in Qianjiang, Hubei province, the largest such project in the world, has become operational. The projects will ...



White paper BATTERY ENERGY STORAGE SYSTEMS ...

The majority of newly installed large-scale electricity storage systems in recent years utilise lithium-ion chemistries for increased grid resiliency and sustainability. The capacity of lithium ...



Portugal to Launch Battery Energy Storage Auction Before ...

Portugal is preparing to hold a competitive auction for 750 MVA of battery energy storage capacity before January 2026. This initiative is part of a EUR400 million investment ...

Green light for Algarve battery storage plant

Green light for Algarve battery storage plant Galp has entered into a partnership with North American company Powin to install an energy storage system, using large-scale batteries, in one of its photovoltaic plants, in ...



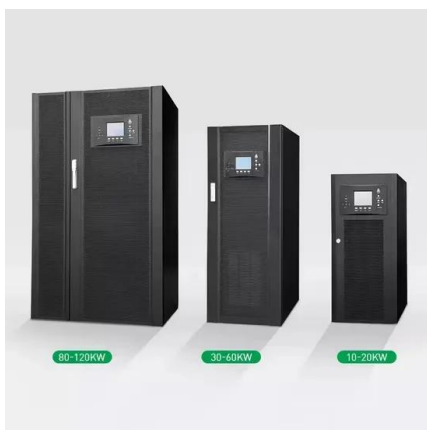


Exclusive: sodium batteries to disrupt energy storage ...

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.

China Debuts World's First Grid-Forming Sodium-Ion Battery Plant

China has officially launched the world's first grid-forming Sodium-ion Battery energy storage facility. The Baochi Energy Storage Station, located in Yunnan province, comes ...



Portugal's Battery Value Chain Accelerates with Five Game ...

Portugal has taken monumental steps in establishing itself as a key player in the global battery value chain. Five major initiatives have been announced recently, marking a ...

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 ...



UCB Power and FAS launch sodium battery solar project in ...

The storage system consists of 16 sodium batteries (48 V / 50 Ah), with a combined storage capacity of 38.40 kWh. UCB Power has deployed more than 60,000 storage ...



Real Cost Behind Grid-Scale Battery Storage: 2024 ...

The rapidly evolving landscape of utility-scale energy storage systems has reached a critical turning point, with costs plummeting by 89% over the past decade. This dramatic shift transforms the economics of grid-scale ...



Critically assessing sodium-ion technology roadmaps and

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, ...

Sodium-Ion Batteries for Stationary Energy Storage

CATL has unveiled sodium-ion battery prototypes with improved energy densities exceeding 200 Wh/kg, aimed at both stationary storage and EV applications. Mass production is slated for 2025.



Portugal and Moldova progress 575MW of BESS ...

Portugal has selected 43 winning BESS projects for a share of EUR100 million (US\$105 million) in EU grants while, on the other side of Europe, Moldova has launched a 75MW BESS procurement with funding from USAID.

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 ...



Lisbon Energy Storage Project Bidding: Key Insights for 2025

With bidding deadlines approaching faster than a Portuguese counterattack in a World Cup match, one thing's clear: this project could charge up Europe's energy transition like ...



HOME , NAIMA project

NAIMA project will develop and validate a new generation of Sodium-ion (Na-ion) based batteries to unseat the current Li-based technologies, nowadays controlled by Asian industry. This ...



Cost Projections for Utility-Scale Battery Storage: 2023 ...

Executive Summary In this work we describe the development of cost and performance projections for utility-scale lithium-ion battery systems, with a focus on 4-hour duration ...



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 ...





Sodium-ion batteries need breakthroughs to compete

A thorough analysis of market and supply chain outcomes for sodium-ion batteries and their lithium-ion competitors is the first by STEER, a new Stanford and SLAC energy technology analysis program.

What's Currently Happening in Sodium-Ion Batteries? 2025

Sodium-ion batteries have gained significant attention in 2025 as the push for cost-effective and sustainable energy storage solutions intensifies. This innovative battery ...



Portugal solar pv battery storage price

Energy storage included in majority of winning bids in Portugal's second solar auction has closed with record-breaking low prices of EUR11.14/MWh (US\$13.12), or US\$0.0131/kWh, the ...

Energy Storage Systems (ESS) Projects and Tenders

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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 ...

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 ...

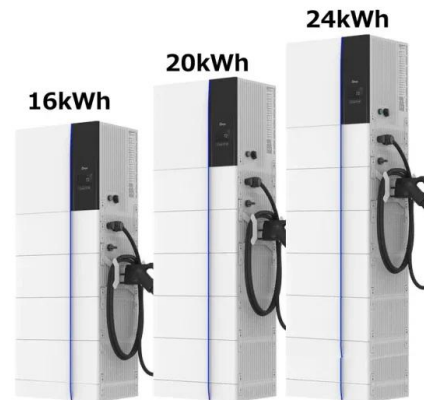


US battery storage boom extends into 2025; nearly 19 ...

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 another strong year for the grid's electrochemical ...

Sodium-ion: The Three Big Promises of Sodium-Ion ...

Sodium-ion batteries are emerging as a compelling alternative to lithium-ion, offering a unique blend of material abundance, system compatibility, and enhanced safety. As the energy storage market searches for ...



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