

## Global PV Storage Insights

# Sodium ion battery storage project financing options in Portugal 2025



## Overview

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How many energy storage projects will Portugal support in 2025?

Portugal's Ministry of Energy has allocated €100 million to support 43 energy storage projects, scheduled for completion by the end of 2025. These projects were selected from 79 applications under the country's Recovery and Resilience Plan (RRP), with eligible projects able to receive up to €30 million in funding.

How much money will Portugal spend on energy storage projects?

This included six projects from Spain's Iberdrola, which secured nearly EUR 20 million in public funding. Portugal's Ministry of Energy has announced that it has allocated EUR 100 million (\$104.2 million) to 43 energy storage projects which should be installed by the end of 2025.

What does Portugal's energy storage tender mean for the energy transition?

Portugal's government has announced the outcome of an energy storage tender that will see the installation of 500 MW of energy storage capacity to support the country's energy transition. Energy storage battery. Photo by Anna Vasileva.

Why should Portugal be a reference space for innovation in batteries?

To promote the national value chain and innovation ecosystem in the international market for energy storage technologies and materials, positioning Portugal as a reference space for innovation in batteries.

How much will Portugal spend on energy storage & grid flexibility?

The Portuguese Ministry of Energy has allocated €99.75 million (\$107.6 million) for grid flexibility and energy storage projects which should be installed by the end of 2025. From ESS News Portugal is seeking to promote flexibility and balance its power system with energy storage as it continues to break records for solar energy production.

## Does Portugal need energy storage?

From ESS News Portugal is seeking to promote flexibility and balance its power system with energy storage as it continues to break records for solar energy production. To this end, the country's Ministry of Energy announced on Wednesday that it has allocated €99.75 million (\$107.6 million) in a bid to support 500 MW of energy storage projects.

## Sodium ion battery storage project financing options in Portugal 20

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### 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 ...

### Sodium Ion Battery Market Size, Growth Opportunity ...

The sodium ion battery market size exceeded USD 270.1 million in 2024 and is set to grow at a CAGR of 26.1% from 2025 to 2034, due to the rising demand for cost-effective sustainable solutions with reduced supply chain risk is set to ...



### 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 ...

### 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 ...



## Top 11 Sodium Ion Battery Companies in Portugal (2025) , ensun

For those interested in the Sodium Ion Battery industry in Portugal, several key considerations are crucial. The country has been increasingly focusing on renewable energy sources, which ...

## Sodium-Ion Batteries Programme and Their

Sodium-ion battery (SIB) technology can potentially address the concerns surrounding LIBs and emerge as an alternative BESS technology. SIBs benefit from limited reliance on critical ...



## Sodium-ion batteries - "built for trade resilience"

IDTechEx's report "Sodium-ion Batteries 2025-2035: Technology, Players, Markets, and Forecasts" offers a detailed analysis of this fast-developing sector. It evaluates market potential, commercial readiness ...

## 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 ...



## Non-lithium R& D leads recent U.S. battery supply ...

The U.S. battery energy storage system (BESS) supply chain continues to grow slowly but surely -- both lithium-ion battery production and next-generation, non-lithium battery innovation. Here's all of the latest intel on ...

## European Market Outlook for Battery Storage 2025-2029

European Market Outlook for Battery Storage 2025-2029 7 May 2025 The report explores trends and forecasts across residential, commercial & industrial (C& I), and utility ...



## Revolutionizing Energy: China's Sodium-Ion Batteries Set to ...

In a groundbreaking shift, SNE Research forecasts China's sodium-ion batteries to enter mass production by 2025, targeting two-wheelers, small EVs, and energy storage. By ...

## Top 6 Sodium-Ion Battery Companies in 2025

The company supplied the world's first 100MWh sodium-ion energy storage project in 2024. By producing multiple cell formats like prismatic, blade, and cylindrical, HiNa ...



## Stanford Study Highlights Sodium-Ion Battery Potential

This dependency poses potential vulnerabilities for the U.S., given China's export restrictions on critical battery technologies since 2024. Advantages of Sodium-Ion Batteries Sodium-ion technology offers potential ...

## Tiamat to build a 5 GWh factory for sodium-ion batteries in France

Tiamat initially wants to manufacture sodium-ion cells for power tools and stationary storage applications in its factory, but will later also produce a new generation of its ...



## 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 ...

## China launches world's first grid-forming sodium-ion ...

The Baochi Storage Station in Yunnan integrates lithium and sodium-ion technologies at scale, a global first, aiming to stabilize renewable energy and cut costs as China accelerates its energy transition.



## Large-scale hybrid lithium-sodium-ion BESS comes online in China

The project in Yunnan, China. Image: HiNa Battery. A 200MW/400MWh BESS project in China combining lithium-ion and sodium-ion batteries has been put into operation. ...

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

Sodium-ion Batteries 2025-2035 provides a comprehensive overview of the sodium-ion battery market, players, and technology trends. Battery benchmarking, material and cost analysis, key player patents, and 10 year ...



## Top Battery Storage Companies to Watch in 2025

The country has also diversified its energy storage portfolio, launching the world's largest sodium-ion BESS in 2024 and developing non-battery storage projects like flywheel systems.

## Sodium-Ion Batteries: Commercial Potential and Future Possibilities

Sodium-ion batteries are emerging as a promising alternative in the energy storage market. With growing interest from industry leaders and investors, this technology is ...



## World's largest sodium-ion battery goes into operation

The first phase of Datang Group's 100 MW/200 MWh sodium-ion energy storage project in Qianjiang, Hubei Province, was connected to the grid.

## 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.

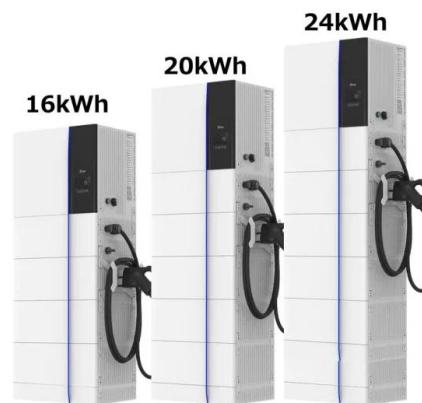


## Sineng Electric: China's largest sodium-ion battery ...

Partagez: energynews Le23 August 2024 Sineng Electric, a leader in energy conversion systems, has been selected to provide its expertise to the world's largest sodium-ion battery energy storage project. Located in Hubei province, ...

## Sodium-Ion: A Serious Challenger to Lithium-Ion in ...

The growth of renewable energies over the last decade has created a surging demand for better energy storage solutions. While lithium-ion (Li-ion) technology remains the forerunner in the battery space, sodium-ion ...



## European Sodium-Ion Battery Cells Now a Reality , Stora Enso

Sodium-ion offers a complementary solution to lithium-ion--cost-effective and based on abundant materials. Read about european sodium-ion battery cells here!

## 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 ...



## Biggest projects in the energy storage industry in 2024

Following similar pieces in 2022/23, we look at the biggest energy storage projects, lithium and non-lithium, that we've reported on in 2024.

## Top 11 Sodium Ion Battery Companies in Portugal (2025) , ensun

Discover all relevant Sodium Ion Battery Companies in Portugal, including i-charging and Vasco da Gama CoLAB - Energy Storage



## Portugal Battery Storage Boom Lures Foreign Investment

Portugal's battery storage boom steadies prices, slashes blackouts and opens tech roles. Discover how new policies could reshape your power bill.

## Portuguese tender supports 500 MW of energy ...

The successful projects will together add at least 500 MW of energy storage to the public electricity grid. The call for proposals, which is part of the country's Recovery and Resilience Plan (RRP), was launched last summer.



## Portugal Allocates EUR100 Million for 43 Energy Storage Projects

These projects were selected from 79 applications under the country's Recovery and Resilience Plan (RRP), with eligible projects able to receive up to EUR30 million in funding.

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