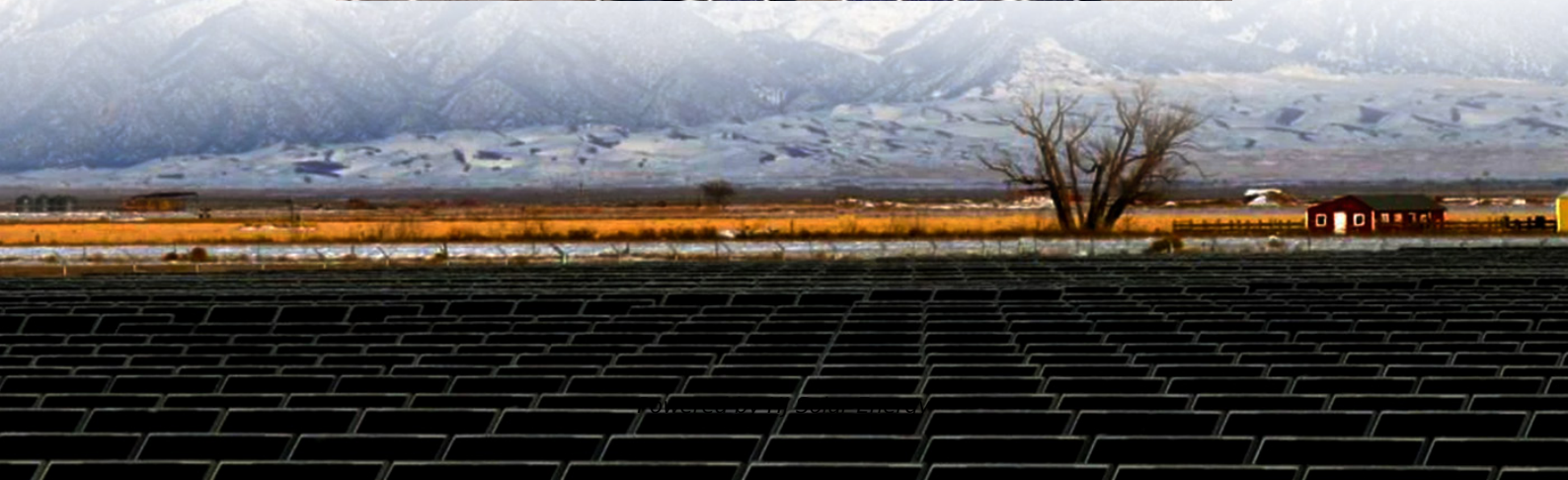


# **Sodium ion battery storage project financing options in Vietnam 2030**





## Overview

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It identifies project leads, collects and analyses energy consumption data, and assesses projects from both a technical and economic perspective. This includes outlining the business case, calculating payback periods, and evaluating profitability.

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International funding and capital sources for RE and BESS projects in Viet 35  
FIGURE 18. Domestic funding and capital sources for RE and BESS projects in Vietnam 36  
FIGURE 19. Li-ion battery pack and cell prices from 2013 to 2023 50  
The German Energy Solutions Initiative of the German Federal.

Under the revised PDP8 onshore and nearshore wind capacity is forecast to reach between 26,066 MW and 38,029 MW by 2030, while offshore wind capacity is projected to be 17,032 MW by 2035. Solar power capacity targets have been raised to between 46,459 MW and 73,416 MW. BESS capacity will support.

Vietnam is one of the first three countries selected for a pilot program under a new partnership initiative between the Asian Development Bank (ADB) and the Global Energy Alliance for People and Planet (GEAPP), aimed at developing battery energy storage systems (BESS). Alongside Mongolia and.

The region's market is valued at around USD 3.5 billion in 2024 and is projected to approach USD 5 billion by 2030, expanding at 6 % CAGR. What began as scattered pilot projects is becoming a commercially competitive landscape. The Philippines is running multi-gigawatt solar-plus-storage auctions.

A green energy subsidiary of Japanese conglomerate Marubeni has brought online a megawatt-scale battery storage demonstration project in Vietnam. Marubeni Green Power Vietnam, a wholly owned subsidiary of Marubeni—one



of Japan's largest general trading 'sōgō shōsha' companies—partnered with.

State-owned utility Vietnam Electricity (EVN) and the Asian Development Bank (ADB) have discussed investing in a pilot Battery Energy Storage System (BESS) project in Vietnam. At a meeting on Wednesday, the ADB side, represented by Andrew Jeffries, advisor, Energy Transition Mechanism and. How much power will Vietnam have by 2030?

The plan also called for 300MW of battery storage deployment and 2,400MW of pumped hydro energy storage (PHES) by 2030. State-owned public power company Vietnam Electricity (VE), is participating in a 50MW/50MWh grid-scale BESS pilot project which marks a first step towards that BESS goal.

Will EVN and ADB invest in a battery energy storage system?

EVN and ADB agreed to coordinate further efforts to elaborate the project for submission to relevant authorities and consequential commencement and financing arrangements. State-owned utility Vietnam Electricity (EVN) and the Asian Development Bank (ADB) have discussed investing in a pilot Battery Energy Storage System (BESS) project in Vietnam.

What will Vietnam's energy future look like in 2030?

The government anticipates a 10-12% annual surge through 2030 in the nation's power consumption. This rapidly expanding energy demand presents a significant challenge to Vietnam's transforming energy landscape, especially considering the urgent need to reduce global emissions and utilise renewable alternatives.

Does VinFast have a battery manufacturing facility in Vietnam?

Even with such advancements, VinFast has constantly sought new funding sources to develop its battery-making capability. Last December, VinFast announced its formal application to the Development Financial Corporation (DFC) for a US\$500 million loan to establish a lithium-ion battery manufacturing facility in Vietnam.

Should OEMs vertically integrate their own battery supply chain?

"Given the value of the battery within an EV and the sensitivity of the supply chain, all OEMs (original equipment manufacturers) should aim to vertically integrate their own battery supply chain," said Lukas Neckermann, the managing director of Neckermann Strategic Advisors, a London-based mobility-



focused consultancy.



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



### Gigafactory Report

The application of sodium-ion batteries fit better for grid-scale energy storage segment because they require more space than lithium-ion batteries. So, even as the fine-tuning for automotive ...

### 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 ...



### Battery storage and renewables: costs and markets to 2030

This study shows that battery electricity storage systems offer enormous deployment and cost-reduction potential. By 2030, total installed costs could fall between 50% and 60% (and battery ...

### Marubeni in 'first of a kind' Vietnam battery storage ...

While it is not Vietnam's first megawatt-scale stationary BESS project to date, the companies involved claimed it is the first such project to



leverage third-party investment in battery storage to reduce electricity costs for ...

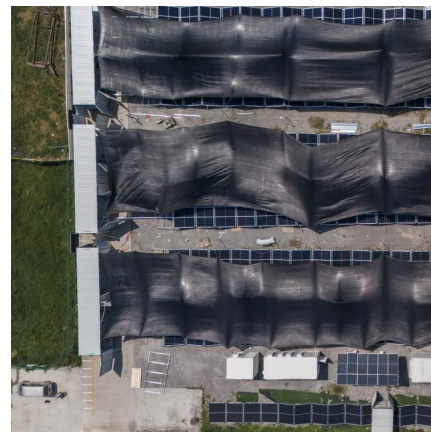


### Sodium-ion Batteries: Inexpensive and Sustainable Energy ...

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: Affordable Energy Storage for a ...

Discover how sodium-ion batteries offer a low-cost, eco-friendly alternative to lithium-ion, paving the way for efficient renewable energy storage.



### [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 way, it remains unclear



### [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 ...



### **Southeast Asia Battery Storage Market 2030: Trends, Policy, and**

Southeast Asia's battery storage market is set to hit USD 5 Bn by 2030, driven by policy, tech shifts, and energy demands in Vietnam, Philippines & Thailand.

### **Northvolt's Vision for a Greener Europe with Sodium Batteries**

Northvolt will finalize its first sodium battery prototypes for energy storage later this year before developing a production line for manufacturing. The Future of Sodium ...



### **Enabling renewable energy with battery energy storage systems**

Enabling renewable energy with battery energy storage systems The market for battery energy storage systems is growing rapidly. Here are the key questions for those who want to lead the ...



### Vietnam Sodium-ion Battery Market Size and Forecasts 2031

In Vietnam Sodium-ion Battery Market, offering valuable insights, key market trends, competitive landscape, and future outlook to support strategic decision.



### Executive summary - Batteries and Secure Energy Transitions - ...

Further innovation in battery chemistries and manufacturing is projected to reduce global average lithium-ion battery costs by a further 40% from 2023 to 2030 and bring sodium-ion batteries to ...

### Vietnam Sodium-ion Battery Market Size and Forecasts 2031

CATL revealed investments in sodium-ion battery R& D facilities in Vietnam to support EV and stationary storage markets. Natron Energy partnered with regional utilities in ...



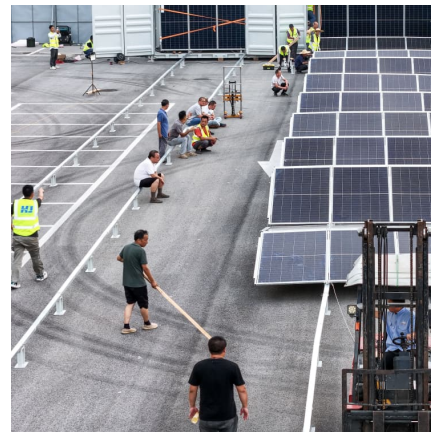


### [World's Largest Sodium-ion Battery Energy Storage ...](#)

Electrochemical energy storage mainly uses lithium-ion batteries, with sodium-ion battery commercialization still slowly advancing. Developing sodium-ion batteries can effectively solve China's overreliance on imported ...

### [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 ...



### **Unlocking the potential of long-duration energy storage: ...**

This paper offers a thorough examination of Long-Duration Energy Storage's (LDES) critical role in reaching net-zero emissions, emphasizing the need for cross-border ...

### [Building utility-scale battery storage in Europe](#)

The two lithium-ion battery storage systems will allow the import and export of energy connected to the distribution network. These schemes build on the success of FRV's Holes Bay battery project in Dorset, UK, active since ...





### [US SUPPORTS ENERGY STORAGE PROJECT IN VIETNAM](#)

Can battery energy storage be commercially viable in Vietnam? The BESS project aims to demonstrate the commercial viability of battery energy storage in Vietnam and showcase the ...

### [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 ...



### [Financing battery storage+renewable energy](#)

Storage may facilitate an energy intensive industrial user's participation in the demand-side reduction market or provide important back-up power for critical processes. Off-grid industrial ...

### **Posh Electric Secures EMA Grant for Sodium-Ion Battery Project**

POSH receives an EMA grant to develop sodium-ion battery storage, boosting Singapore's renewable energy transition and sustainability.



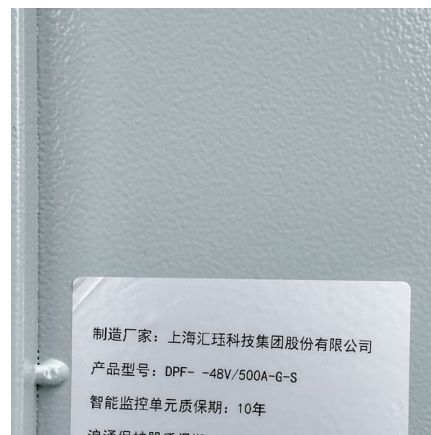


### [Pioneering Innovation with Vietnam's BESS Pilot Project](#)

The project's financing model combines diverse sources--equity from EVN, non-sovereign or sovereign loans from the ADB and others, grants from JETP, and contributions from philanthropic partnerships.

### **ADB supports Vietnam in developing energy storage systems to ...**

Alongside Mongolia and Cambodia, Vietnam will receive technical and financial support to promote energy storage solutions - a key factor in transitioning to a low-carbon ...

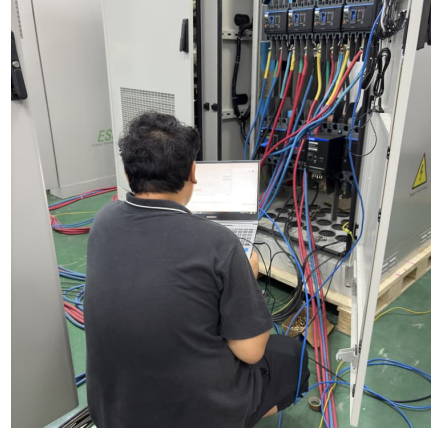


### [Sodium-ion Battery \(Sulfur, Salt\) Market](#)

The global sodium-ion battery market is set to expand significantly, projected to grow from USD 0.67 billion in 2025 to USD 2.01 billion by 2030, at a CAGR of 24.7%. This ...

### [Executive summary - Batteries and Secure Energy ...](#)

Further innovation in battery chemistries and manufacturing is projected to reduce global average lithium-ion battery costs by a further 40% from 2023 to 2030 and bring sodium-ion batteries to the market.



### DOE-Funded 'LENS' Consortium Focuses on Sodium-Ion Battery ...

The new 'Low-cost, Earth-abundant Na-ion Storage' (LENS) Consortium's director explains its supercharging sodium-ion battery development mission.



### Sodium-Ion Batteries Industry Report 2025-2034 Featuring Key ...

The sodium-ion batteries market is set for substantial growth due to rising renewable energy adoption, such as solar and wind, and increasing demand for low-speed ...



### [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 ...





### **Making project finance work for battery energy storage projects**

Why securing project finance for energy storage projects is challenging It has traditionally been difficult to secure project finance for energy storage for two key reasons. Firstly, the nascent ...



### **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 ...

### [Sodium-ion Battery \(Sulfur, Salt\) Market](#)

The global sodium-ion battery market is set to expand significantly, projected to grow from USD 0.67 billion in 2025 to USD 2.01 billion by 2030, at a CAGR of 24.7%. This surge is driven by sodium



### **Development of Battery Energy Storage Systems in Vietnam**

One of the key highlights of Vietnam's revised Power Development Plan VIII (PDP8) is the significant increase in the targets for Battery Energy Storage Systems (BESS). The original ...



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