VDB Solar Solutions

# Successful bid price of sodium ion battery storage project in Philippines 2025

## Overview

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6Wresearch actively monitors the Philippines Sodium Ion Battery Market and publishes its comprehensive annual report, highlighting emerging trends, growth drivers, revenue analysis, and forecast outlook. Our insights help businesses to make data-backed strategic decisions with ongoing market.

The Philippines Sodium-ion Battery Market is projected to grow from USD 450 million in 2025 to USD 2.9 billion by 2031, at a CAGR of 35.2% during the forecast period. This rapid growth is driven by expanding applications in grid storage, increasing EV adoption, and technological advancements.

In February 2024, Kingshine cancelled its proposed 6 GWh sodium-ion battery facility in Jiangxi Province. Likewise, Veken Tech has postponed its 2 GWh project, originally set for completion in December 2024, now rescheduled to begin operations in December 2025. These setbacks underscore the ongoing.

Oslo, 17 February 2025: Scatec ASA’s joint venture with Aboitiz Power in the Philippines has reached financial close and prepares for construction start of the 16 MW Magat (phase 2) and 40 MW Binga battery energy storage systems (BESS). The battery systems will be connected to the Magat and Binga.

SN Aboitiz Power Group (SNAP) acquired funding from three major banks to expand its Battery Energy Storage Systems (BESS), with the investments directed toward projects in Isabela and Benguet. “SNAP is scaling up its BESS initiatives with Magat BESS Phase 2 and the first BESS in Benguet. BESS will.

Nanofilm Technologies International Limited is a prominent player in nanotechnology materials, specializing in advanced materials and

nanoproducts that could potentially relate to innovations in energy storage solutions like sodium-ion batteries. Their expertise in nanofabrication and proprietary. 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 Scatec Asa's joint venture with Aboitiz Power?

Oslo, 17 February 2025: Scatec ASA’s joint venture with Aboitiz Power in the Philippines has reached financial close and prepares for construction start of the 16 MW Magat (phase 2) and 40 MW Binga battery energy storage systems (BESS).

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.

Can sodium-ion energy density improve competitiveness against low-cost lithium ion variants?

Our modelled outcomes suggest that being price advantageous against low-cost lithium-ion variants in the near term is challenging and increasing sodium-ion energy densities to decrease materials intensity is among the most impactful ways to improve competitiveness.

What is sodium ion technology?

Sodium-ion technology offers compelling solutions to these challenges. With sodium being the sixth most abundant element on Earth (2.74% of Earth’s

crust versus lithium’s 0.0065%), SIBs provide:

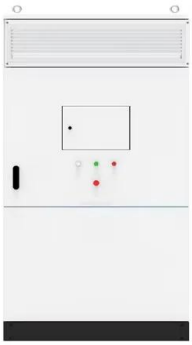
# Successful bid price of sodium ion battery storage project in Philipp

**Sodium-ion battery**

A Sodium-ion battery (NIB, SIB, or Na-ion battery) is a rechargeable battery that uses sodium ions (Na +) as charge carriers. In some cases, its working principle and cell construction are similar ...

**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 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 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 ...

**Scatec JV reaches financial close for 56 MW BESS in ...**

Oslo, 17 February 2025: Scatec ASA's joint venture with Aboitiz Power in the Philippines has reached financial close and prepares for construction start of the 16 MW Magat (phase 2) and 40 MW Binga battery energy storage systems ...

**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 to create a custom, cost-effective, sustainable ...


**World's largest sodium-ion battery energy storage project ...**

The first part of the world's largest sodium-ion battery energy storage system (BESS) has been launched in China. State media Yicai Global and technology provider HiNa ...

**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 ...


**The Real Cost of Commercial Battery Energy Storage ...**

In 2025, the typical cost of a commercial lithium battery energy storage system, which includes the battery, battery management system (BMS), inverter (PCS), and installation, is in the following range: $280 - $580 per kWh ...

**Addressing Tariffs and Trade in Energy Storage Projects**

Two major areas of international trade that will remain causes of concern for energy storage projects are the application of tariffs and supply chain integrity. While it remains ...


**Energy Storage Rides a Wave of Growth but Uncertainty Looms: ...**

This report comes to you at the turning of the tide for energy storage: after two years of rising prices and supply chain disruptions, the energy storage industry is starting to see price ...

**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 ...



**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.

**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 ...

**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 ...

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

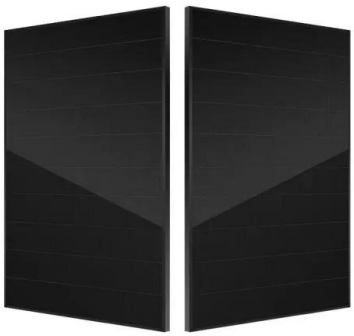
The project in Yunnan, China. Image: HiNa Battery. A 200MW/400MWh BESS project in China combining lithium-ion and sodium-ion batteries has been put into operation. ...


**SNAP's battery storage projects gain financial backing ...**

At a ceremonial signing on February 17, 2025, BPI and Chinabank formalized their commitment to fund the Magat BESS Phase 2, while BPI and BDO agreed to finance the Binga BESS project.

**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 ...



**The Exponential Growth of the ASEAN BESS Market: ...**

While regulatory challenges persist, efforts to address them are underway. The critical period of 2024-2025 is anticipated to facilitate the shift from pilot projects to gigawatt-scale deployments, ...

**Sodium-ion battery**

A Sodium-ion battery (NIB, SIB, or Na-ion battery) is a rechargeable battery that uses sodium ions (Na +) as charge carriers. In some cases, its working principle and cell construction are similar to those of lithium-ion battery (LIB) types, ...

**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 ...

**Energy Storage Sodium Ion Battery Market, Size ...**

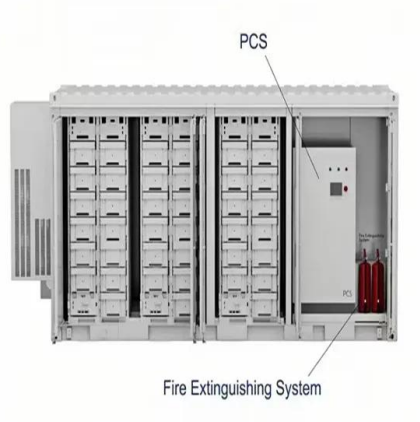
The energy storage sodium ion battery market size crossed USD 245.3 million in 2024 and is set to grow at a CAGR of 25.3% from 2025 to 2034, driven by rising demand for safer, thermally stable batteries that reduce fire and explosion risks ...

**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 ...

**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 ...**

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 ...

**Batteries for Stationary Energy Storage 2025-2035: ...**

Batteries for Stationary Energy Storage 2025-2035: Markets, Forecasts, Players, and Technologies 10-year forecasts on Li-ion BESS. Analyses on players, project pipelines, grid-scale & residential BESS markets, technology trends & ...

**Top 32 Sodium Ion Battery Companies in Philippines (2025) , ensun**

The Sodium Ion Battery industry in the Philippines is rapidly evolving, driven by the need for sustainable energy solutions. One of the primary considerations is the regulatory environment, ...

**Sodium Batteries Reach Industrial Explosion Point in ...**

Sodium batteries are hitting their industrial explosion point in 2025! Discover the breakthroughs driving mass adoption in EVs, energy storage & beyond.

**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 ...

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