

# **Sodium ion battery storage tender price in India 2025**





## Overview

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NTPC Vidyut Vyapar Nigam Ltd (NVVN)'s tender for 1,000 MWh (500 MW x 2 hours) of standalone battery energy storage systems (BESS) with viability gap funding in Rajasthan has resulted in approved tariffs range from INR 2.16 lakh/MW/month to INR 2.19 lakh/MW/month.

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With lithium under scrutiny, sodium-ion offers safer, scalable and region-specific promise for EV and grid storage markets. Rajasthan-based Indexel Engineering has partnered with US technology firm UNIGRID to introduce 50 MWh worth of sodium-ion battery systems to India.

Stationary battery energy storage system: As of March 2024, India had already installed approximately 219 mega watthours (MWh) of grid-scale BESS,28 with tenders for about 18 GWh of grid-scale BESS either active or awarded.29 Further, there are plans for a significant expansion in grid-scale BESS, with CEA projecting a capacity requirement of . Will battery based energy storage outperform projections in India?

Be it lower cell costs in China, or a shift to BOO from BOOT, or even better local expertise, battery based energy storage is on a strong wicket to



outperform projections In India.

Could sodium-ion battery technology be an alternative Bess technology?

Developing alternative BESS technologies. 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 minerals and improved safety parameters, among other traits, and are particularly suited to meet B.

Is energy storage a mini-disruption in India?

In the past three months multiple BESS (Battery-based Energy Storage system) tender results have pointed to yet another mini-disruption in the fast-evolving Indian renewable energy sector. Energy storage targets for 2028 might be a lot closer in 2026 itself.



## Sodium ion battery storage tender price in India 2025

### IEEFA and JMK Research & Analytics Report: India's Standalone ...



28th April 2025 0 195 Standalone Energy Storage Systems (ESS) are emerging as the cornerstone of India's utility-scale ESS auctions, making up 64% of the total tenders floated ...

### The Standalone Energy Storage Market in India 1

Key Findings Standalone Energy Storage Systems (ESS) are rapidly emerging as a key market, with 6.1 gigawatts of tenders issued in the first quarter of 2025 alone, accounting for 64% of the ...



- IP65/IP55 OUTDOOR CABINET
- ALUMINUM
- OUTDOOR ENERGY STORAGE CABINET
- OUTDOOR MODULE CABINET

### Indexel-UNIGRID Sodium-Ion Battery Deal Signals A Quiet Shift ...

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### [9 Sodium Ion Battery Tenders in India 2025](#)

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### SMM Insights: H1 2025 Sodium Battery Industry Recap: Material ...

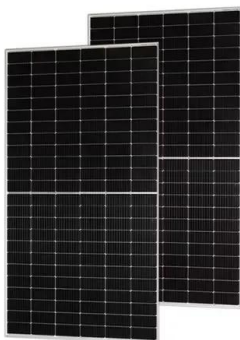
In the first half of 2025, all segments of the sodium-ion battery industry chain demonstrated significant growth. However, the industry also faced concurrent challenges of ...



**2MW / 5MWh  
Customizable**

### Indexel-UNIGRID Sodium-Ion Battery Deal Signals A Quiet Shift In India

Rajasthan-based Indexel Engineering has partnered with US technology firm UNIGRID to introduce 50 MWh worth of sodium-ion battery systems to India. The move marks ...



### India Embraces Sodium-Ion Batteries for Energy ...

In conclusion, embracing sodium-ion batteries means not only boosting India's energy sector but also fostering economic, environmental, and social benefits. As India continues to innovate and scale these technologies, ...



### 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 ...



### India Develops Sodium-Ion Battery That Charges 80

This sodium-based battery technology offers a cheaper, safer, and scalable alternative to lithium-ion batteries--especially suited for: EVs and electric 2-wheelers Solar grid energy storage

### Current Prices and Market Trends for Sodium-ion Batteries and ...

`` markdown ### Sodium-Ion Battery Market Update ### Price Overview Here's a summary of the current prices for various sodium compounds relevant to the sodium-...



- LiFePO<sub>4</sub> Battery,safety**
- Wide temperature: -20~55°C**
- Modular design, easy to expand**
- The heating function is optional**
- Intelligent BMS**
- Cycle Life:> 6000**
- Warranty:10 years**



### India's superfast sodium-ion battery charges 80% in six minutes, ...

In a potential breakthrough for India's clean energy ambitions, scientists at Bengaluru's Jawaharlal Nehru Centre for Advanced Scientific Research (JNCASR) have ...



### 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 ...



### India's superfast sodium-ion battery charges 80% in ...

In a potential breakthrough for India's clean energy ambitions, scientists at Bengaluru's Jawaharlal Nehru Centre for Advanced Scientific Research (JNCASR) have developed a sodium-ion battery that charges up to ...

### Batteries for Stationary Energy Storage 2025-2035: Markets

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 ...



### India Unveils Ultra-Fast Charging Sodium-Ion Battery Alternative ...

India has taken a significant step in advancing energy storage technology with the development of an ultra-fast charging Sodium-ion Battery. This innovation not only ...



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

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



## 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 ...

## Where will lithium-ion battery prices go in 2025?

After tumbling to record low in 2024 on the back of lower metal costs and increased scale, lithium-ion battery prices are expected to enter a period of stabilization.



## Supercharging the future: India's Scientists design fast ...

Sodium is cheap and abundantly available in India, unlike lithium which is scarce and largely imported. A battery built on sodium instead of lithium could help the country to become self-reliant in energy storage ...



## Battery Energy Storage System Market Size, Trends & Regional ...

The global battery energy storage system market size was estimated at USD 10.16 billion in 2025 and is anticipated to grow from USD 12.61 billion in 2026 to USD 86.87 billion by 2034, growing ...



## 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 & ...

## The Standalone Energy Storage Market in India 1

Key Findings Standalone Energy Storage Systems (ESS) are rapidly emerging as a key market, with 6.1 gigawatts of tenders issued in the first quarter of 2025 alone, accounting for 64% of the ...



## "Battery energy storage market in India is on the cusp ...

What are the recent technological advancements in battery energy storage that you find particularly exciting for India? The battery energy storage sector is undergoing a fascinating transformation, and what excites me ...



Sodium Battery Companies & Tech Updates 46

SociableKIT widget. Welcome to the forty-sixth issue of "Sodium-ion Batteries Technology Updates," a series from Indi Energy, one of the world's leading sodium battery companies and India's first indigenous sodium-ion ...



**Battery Energy Storage Systems (BESS): The Future ...**

As India progresses towards a greener and more sustainable energy future, Battery Energy Storage Systems (BESS) are emerging as a critical solution for energy storage, grid stability, and renewable

**Battery Energy Storage Systems (BESS): The Future of Energy Storage ...**

As India progresses towards a greener and more sustainable energy future, Battery Energy Storage Systems (BESS) are emerging as a critical solution for energy storage, grid stability, ...



**India Sodium Ion Battery Market (2025-2031) , Companies**

6Wresearch actively monitors the India Sodium Ion Battery Market and publishes its comprehensive annual report, highlighting emerging trends, growth drivers, revenue analysis, ...



## [9 Sodium Ion Battery Tenders in India 2025](#)

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### **Sodium-ion Battery Price Today , Sodium-ion Battery ...**

Sodium-ion Battery price today, Sodium-ion Battery spot price chart, historical Sodium-ion Battery price, how much is Sodium-ion Battery? All Sodium-ion Battery market information is available at Shanghai Metal Market

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