

# Global Modular Sodium-Ion Battery Pack Supply, Demand and Key Producers, 2026-2032

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## Abstracts

The global Modular Sodium-Ion Battery Pack market size is expected to reach \$ 4199 million by 2032, rising at a market growth of 28.8% CAGR during the forecast period (2026-2032).

In 2025, the global production capacity of modular sodium-ion battery pack was approximately 353.85 k units.

Modular Sodium-Ion Battery Packs are rechargeable battery systems assembled from sodium-ion cells, battery management systems, thermal management components, enclosures, connectors, and standardized modules. They use sodium-based electrochemical materials instead of lithium-based systems and are designed for cost-sensitive, safe, and scalable energy storage applications. Their advantages include abundant raw material availability, good low-temperature performance, improved safety, and suitability for stationary storage and low-speed mobility. Modular design allows flexible capacity expansion, easier maintenance, faster system integration, and better adaptation to residential storage, commercial storage, telecom backup, and light electric mobility scenarios.

The industrial chain of Modular Sodium-Ion Battery Packs covers upstream sodium salts, cathode materials, anode materials, electrolytes, separators, current collectors, cell casings, and electronic components. The midstream includes cell manufacturing, module assembly, battery management system integration, thermal management, enclosure design, safety testing, and pack certification. Downstream applications mainly include residential energy storage, commercial and industrial storage, telecom backup power, low-speed electric vehicles, two-wheelers, forklifts, and renewable energy storage systems. Related services include system design, installation, monitoring,

maintenance, recycling, and customization for voltage, capacity, safety, and cycle-life requirements.

This report studies the global Modular Sodium-Ion Battery Pack production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for Modular Sodium-Ion Battery Pack and provides market size (US\$ million) and Year-over-Year (YoY) Growth, considering 2025 as the base year. This report explores demand trends and competition, as well as details the characteristics of Modular Sodium-Ion Battery Pack that contribute to its increasing demand across many markets.

Highlights and key features of the study

Global Modular Sodium-Ion Battery Pack total production and demand, 2021-2032, (K Units)

Global Modular Sodium-Ion Battery Pack total production value, 2021-2032, (USD Million)

Global Modular Sodium-Ion Battery Pack production by region & country, production, value, CAGR, 2021-2032, (USD Million) & (K Units), (based on production site)

Global Modular Sodium-Ion Battery Pack consumption by region & country, CAGR, 2021-2032 & (K Units)

U.S. VS China: Modular Sodium-Ion Battery Pack domestic production, consumption, key domestic manufacturers and share

Global Modular Sodium-Ion Battery Pack production by manufacturer, production, price, value and market share 2021-2026, (USD Million) & (K Units)

Global Modular Sodium-Ion Battery Pack production by Type, production, value, CAGR, 2021-2032, (USD Million) & (K Units)

Global Modular Sodium-Ion Battery Pack production by Application, production, value, CAGR, 2021-2032, (USD Million) & (K Units)

This report profiles key players in the global Modular Sodium-Ion Battery Pack market based on the following parameters - company overview, production, value, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include CATL, HiNa Battery Technology, EVE Energy, Penghui Energy, Farasis Energy, Peak Energy, Gotion High-tech, Sunwoda Electronic, TIAMAT Energy, Faradion, etc.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals.

Stakeholders would have ease in decision-making through various strategy matrices used in analyzing the World Modular Sodium-Ion Battery Pack market

Detailed Segmentation:

Each section contains quantitative market data including market by value (US\$ Millions), volume (production, consumption) & (K Units) and average price (US\$/Unit) by manufacturer, by Type, and by Application. Data is given for the years 2021-2032 by year with 2025 as the base year, 2026 as the estimate year, and 2027-2032 as the forecast year.

Global Modular Sodium-Ion Battery Pack Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

Global Modular Sodium-Ion Battery Pack Market, Segmentation by Type:

Cylindrical Cell Modular Sodium-Ion Battery Pack

Prismatic Cell Modular Sodium-Ion Battery Pack

Pouch Cell Modular Sodium-Ion Battery Pack

## Global Modular Sodium-Ion Battery Pack Market, Segmentation by Pack Voltage Level:

Low-voltage Modular Sodium-Ion Battery Pack

Medium-voltage Modular Sodium-Ion Battery Pack

High-voltage Modular Sodium-Ion Battery Pack

## Global Modular Sodium-Ion Battery Pack Market, Segmentation by Rated Capacity:

Small-capacity Battery Pack (<5 kWh)

Medium-capacity Battery Pack (5–20 kWh)

Large-capacity Battery Pack (>20 kWh)

## Global Modular Sodium-Ion Battery Pack Market, Segmentation by Application:

Residential and Commercial Storage

Industrial Stationary Storage

Mobile Power Equipment

Others

## Companies Profiled:

CATL

HiNa Battery Technology

EVE Energy

Penghui Energy

Farasis Energy

Peak Energy

Gotion High-tech

Sunwoda Electronic

TIAMAT Energy

Faradion

AMTE Power

BYD

#### Key Questions Answered:

1. How big is the global Modular Sodium-Ion Battery Pack market?
2. What is the demand of the global Modular Sodium-Ion Battery Pack market?
3. What is the year over year growth of the global Modular Sodium-Ion Battery Pack market?
4. What is the production and production value of the global Modular Sodium-Ion Battery Pack market?
5. Who are the key producers in the global Modular Sodium-Ion Battery Pack market?
6. What are the growth factors driving the market demand?

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