

# Sodium-Ion Battery Market Set for Exponential Growth: Valued at US\$ 438.0 Million in 2024 | Astute Analytica

CHICAGO, NY, UNITED STATES, January 14, 2025 /EINPresswire.com/ -- The global sodium-ion battery market is poised for significant growth in the coming years. Valued at US\$ 438.0 million in 2024, the market is expected to achieve an impressive valuation of US\$ 1,000.0 million by 2030. This growth is driven by the increasing demand for sustainable energy storage solutions and the advancements in battery technologies.

For more information, visit: <https://www.astuteanalytica.com/request-sample/sodium-ion-battery-market>



The market is projected to grow at a compound annual growth rate (CAGR) of 10.00% from 2024 to 2030, driven by factors such as the rising adoption of electric vehicles, renewable energy integration, and the growing need for high-capacity energy storage systems.

Sodium-ion batteries offer an alternative to traditional lithium-ion batteries, with significant advantages, including lower cost, abundant raw materials, and higher safety profiles. These features make sodium-ion technology particularly attractive in applications such as grid energy storage, electric vehicles, and consumer electronics.

Key players in the market include:

1. **QuantumScape**: A leading manufacturer of solid-state lithium-ion batteries, focusing on high-performance automotive applications.

The urgent hunt for more sustainable and economical battery solutions has led to accelerated sodium-ion research worldwide. Five newly established labs in East Asia sodium-ion battery market this year alone have dedicated facilities exclusively for sodium-based chemistry, showcasing the pressing need for alternatives. Moreover, three global mining companies are

now evaluating sodium-friendly mineral extraction sites, a direct response to lithium's escalating demand and geographic concentration. In parallel, policy interventions are supporting these advancements: at least two international research consortiums have been launched this year to secure a stable sodium supply chain. Additionally, commercial readiness continues to grow: one major battery manufacturer in Europe has reported finalizing agreements to pilot sodium-ion cells in its existing gigafactory.

Mounting costs for lithium extraction, coupled with the environmental toll of hard-rock mining, are exacerbating the need for alternative energy storage systems. Market analysts note that at least 20 industrial players are considering transitioning part of their R&D investments from lithium-based prototypes to sodium-ion. Furthermore, a specialized assessment published in early 2023 reveals that the carbon footprint of sodium-ion battery market is notably lower when sourced from renewable sodium resources. As a result, growing concerns over the sustainability of lithium supply are propelling sodium-based solutions toward faster commercialization. In essence, the constraints of traditional lithium-ion approaches are fueling a new wave of research interest, with sodium-ion emerging as a competitive alternative.

For more information on the sodium-ion battery market, visit: <https://www.astuteanalytica.com/industry-report/sodium-ion-battery-market>

Key players in the sodium-ion battery market include:

- Natron Energy
- Faradion Ltd.
- Tiamat
- Carmen Energy
- Qinghai Salt Lake Industry Co., Ltd.
- China National Chemical Corporation (ChemChina)
- Hong Kong FDK Corporation
- Sion Power Corporation
- Contemporary Amperex Technology Co., Ltd.
- HiNa Battery Technology Co., Ltd.
- Other Prominent Players

Other emerging technologies in the sodium-ion battery market include:

• Sodium Sulfur (NaS) Batteries

- Sodium Salt Batteries
- Sodium Air Batteries

For more information on the sodium-ion battery market, visit:

- Liquid-State Sodium-Ion Batteries
- Solid-State Sodium-Ion Batteries

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- Energy Storage Systems (ESS)
- Electric Vehicles (EVs)
- Consumer Electronics
- Others

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- Automotive
- Energy & Power
- Electronic
- Industrial & Commercial
- Others

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- North America
- The U.S.
- Canada
- Mexico
- Europe
- Western Europe
- The UK
- Germany
- France
- Italy
- Spain
- Rest of Western Europe
- Eastern Europe
- Poland
- Russia
- Rest of Eastern Europe
- Asia Pacific
- China
- India
- Japan
- Australia & New Zealand
- South Korea

- ASEAN
- Rest of Asia Pacific
- Middle East & Africa
- Saudi Arabia
- South Africa
- UAE
- Rest of MEA
- South America
- Argentina
- Brazil
- Rest of South America

For more information, please contact us at - <https://www.astuteanalytica.com/request-sample/sodium-ion-battery-market>

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