

Sodium Ion Battery Market: Global Industry Trends, Share, Size, Growth, Opportunity and Forecast 2023-2028

Market Report | 2023-05-29 | 148 pages | IMARC Group

AVAILABLE LICENSES:

- Electronic (PDF) Single User \$2499.00
- Five User Licence \$3499.00
- Enterprisewide License \$4499.00

Report description:

Market Overview:

The global sodium ion battery market size reached US\$ 290.4 Million in 2022. Looking forward, IMARC Group expects the market to reach US\$ 651.1 Million by 2028, exhibiting a growth rate (CAGR) of 13.2% during 2023-2028.

Sodium-ion batteries store energy by fusing electrical and chemical energy into each other. They rely on the reversible movement of ions between two electrodes with the help of electrolytes for efficient operation. They offer several benefits, such as superior environmental credentials, enhanced safety, and better raw material costs compared to lithium-ion (Li-ion) batteries. As they are made from materials that are energy dense, non-flammable, and operate well in colder temperatures, sodium-ion batteries find application in the transportation, defense, aerospace, marine, and energy industries across the globe.

Sodium Ion Battery Market Trends:

Due to the growing greenhouse gas emissions, there is a rise in the demand for cleaner energy around the world. This, along with the increasing utilization of sodium-ion batteries to store electricity generated through solar or wind energy, represents one of the key factors driving the market. Moreover, the rising awareness among the masses about the benefits of sodium-ion batteries, such as high energy density, low charging time, and a high number of charging cycles, is propelling the growth of the market. In addition, governments of several countries are promoting the production of renewable energy to provide reliable power supplies and fuel diversification, which enhance energy security, lower the risk of fuel spills, and reduce the need for imported fuels. Apart from this, key market players are extensively investing in research and development (R&D) activities to introduce enhanced stationary energy storage, which is expected to influence the market positively. Furthermore, the escalating demand for electric vehicles (EVs) due to zero tailpipe emissions of air pollutants, such as nitrogen oxides (NOx) and particles, is also projected to bolster the growth of the market.

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scott-international.com

www.scott-international.com

Key Market Segmentation:

IMARC Group provides an analysis of the key trends in each sub-segment of the global sodium ion battery market report, along with forecasts at the global, regional and country level from 2023-2028. Our report has categorized the market based on type and application.

Breakup by Type:

- Sodium-Sulphur Battery
- Sodium-Salt Battery
- Sodium-Air Battery
-

Breakup by Application:

- Stationary Energy Storage
- Transportation
-

Breakup by Region:

- North America
-
- United States
- Canada
-
- Asia-Pacific
-
- China
- Japan
- India
- South Korea
- Australia
- Indonesia
- Others
-
- Europe
-
- Germany
- France
- United Kingdom
- Italy
- Spain
- Russia
- Others

- Latin America
-

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

- Brazil
 - Mexico
 - Others
 -
 - Middle East and Africa
 -
- Competitive Landscape:

The competitive landscape of the industry has also been examined along with the profiles of the key players being Altris AB, AMTE Power plc, Aquion Energy, Faradion Limited, HiNa Battery Technology Co. Ltd., Natron Energy Inc., NEI Corporation, NGK Insulators Ltd. and Tiamat Energy.

Key Questions Answered in This Report:

- How has the global sodium ion battery market performed so far and how will it perform in the coming years?
- What has been the impact of COVID-19 on the global sodium ion battery market?
- What are the key regional markets?
- What is the breakup of the market based on the type?
- What is the breakup of the market based on the application?
- What are the various stages in the value chain of the industry?
- What are the key driving factors and challenges in the industry?
- What is the structure of the global sodium ion battery market and who are the key players?
- What is the degree of competition in the industry?

Table of Contents:

- 1 Preface
- 2 Scope and Methodology
 - 2.1 Objectives of the Study
 - 2.2 Stakeholders
 - 2.3 Data Sources
 - 2.3.1 Primary Sources
 - 2.3.2 Secondary Sources
 - 2.4 Market Estimation
 - 2.4.1 Bottom-Up Approach
 - 2.4.2 Top-Down Approach
 - 2.5 Forecasting Methodology
- 3 Executive Summary
- 4 Introduction
 - 4.1 Overview
 - 4.2 Key Industry Trends
- 5 Global Sodium Ion Battery Market
 - 5.1 Market Overview
 - 5.2 Market Performance
 - 5.3 Impact of COVID-19
 - 5.4 Market Forecast

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

- 6 Market Breakup by Type
 - 6.1 Sodium-Sulphur Battery
 - 6.1.1 Market Trends
 - 6.1.2 Market Forecast
 - 6.2 Sodium-Salt Battery
 - 6.2.1 Market Trends
 - 6.2.2 Market Forecast
 - 6.3 Sodium-Air Battery
 - 6.3.1 Market Trends
 - 6.3.2 Market Forecast
- 7 Market Breakup by Application
 - 7.1 Stationary Energy Storage
 - 7.1.1 Market Trends
 - 7.1.2 Market Forecast
 - 7.2 Transportation
 - 7.2.1 Market Trends
 - 7.2.2 Market Forecast
- 8 Market Breakup by Region
 - 8.1 North America
 - 8.1.1 United States
 - 8.1.1.1 Market Trends
 - 8.1.1.2 Market Forecast
 - 8.1.2 Canada
 - 8.1.2.1 Market Trends
 - 8.1.2.2 Market Forecast
 - 8.2 Asia-Pacific
 - 8.2.1 China
 - 8.2.1.1 Market Trends
 - 8.2.1.2 Market Forecast
 - 8.2.2 Japan
 - 8.2.2.1 Market Trends
 - 8.2.2.2 Market Forecast
 - 8.2.3 India
 - 8.2.3.1 Market Trends
 - 8.2.3.2 Market Forecast
 - 8.2.4 South Korea
 - 8.2.4.1 Market Trends
 - 8.2.4.2 Market Forecast
 - 8.2.5 Australia
 - 8.2.5.1 Market Trends
 - 8.2.5.2 Market Forecast
 - 8.2.6 Indonesia
 - 8.2.6.1 Market Trends
 - 8.2.6.2 Market Forecast
 - 8.2.7 Others
 - 8.2.7.1 Market Trends
 - 8.2.7.2 Market Forecast

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

- 8.3 Europe
 - 8.3.1 Germany
 - 8.3.1.1 Market Trends
 - 8.3.1.2 Market Forecast
 - 8.3.2 France
 - 8.3.2.1 Market Trends
 - 8.3.2.2 Market Forecast
 - 8.3.3 United Kingdom
 - 8.3.3.1 Market Trends
 - 8.3.3.2 Market Forecast
 - 8.3.4 Italy
 - 8.3.4.1 Market Trends
 - 8.3.4.2 Market Forecast
 - 8.3.5 Spain
 - 8.3.5.1 Market Trends
 - 8.3.5.2 Market Forecast
 - 8.3.6 Russia
 - 8.3.6.1 Market Trends
 - 8.3.6.2 Market Forecast
 - 8.3.7 Others
 - 8.3.7.1 Market Trends
 - 8.3.7.2 Market Forecast
- 8.4 Latin America
 - 8.4.1 Brazil
 - 8.4.1.1 Market Trends
 - 8.4.1.2 Market Forecast
 - 8.4.2 Mexico
 - 8.4.2.1 Market Trends
 - 8.4.2.2 Market Forecast
 - 8.4.3 Others
 - 8.4.3.1 Market Trends
 - 8.4.3.2 Market Forecast
- 8.5 Middle East and Africa
 - 8.5.1 Market Trends
 - 8.5.2 Market Breakup by Country
 - 8.5.3 Market Forecast
- 9 SWOT Analysis
 - 9.1 Overview
 - 9.2 Strengths
 - 9.3 Weaknesses
 - 9.4 Opportunities
 - 9.5 Threats
- 10 Value Chain Analysis
- 11 Porters Five Forces Analysis
 - 11.1 Overview
 - 11.2 Bargaining Power of Buyers
 - 11.3 Bargaining Power of Suppliers

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

- 11.4 Degree of Competition
- 11.5 Threat of New Entrants
- 11.6 Threat of Substitutes
- 12 Price Analysis
- 13 Competitive Landscape
 - 13.1 Market Structure
 - 13.2 Key Players
 - 13.3 Profiles of Key Players
 - 13.3.1 Altris AB
 - 13.3.1.1 Company Overview
 - 13.3.1.2 Product Portfolio
 - 13.3.2 AMTE Power plc
 - 13.3.2.1 Company Overview
 - 13.3.2.2 Product Portfolio
 - 13.3.3 Aquion Energy
 - 13.3.3.1 Company Overview
 - 13.3.3.2 Product Portfolio
 - 13.3.4 Faradion Limited
 - 13.3.4.1 Company Overview
 - 13.3.4.2 Product Portfolio
 - 13.3.5 HiNa Battery Technology Co. Ltd.
 - 13.3.5.1 Company Overview
 - 13.3.5.2 Product Portfolio
 - 13.3.6 Natron Energy Inc.
 - 13.3.6.1 Company Overview
 - 13.3.6.2 Product Portfolio
 - 13.3.7 NEI Corporation
 - 13.3.7.1 Company Overview
 - 13.3.7.2 Product Portfolio
 - 13.3.8 NGK Insulators Ltd.
 - 13.3.8.1 Company Overview
 - 13.3.8.2 Product Portfolio
 - 13.3.8.3 Financials
 - 13.3.8.4 SWOT Analysis
 - 13.3.9 Tiamat Energy
 - 13.3.9.1 Company Overview
 - 13.3.9.2 Product Portfolio

Sodium Ion Battery Market: Global Industry Trends, Share, Size, Growth, Opportunity and Forecast 2023-2028

Market Report | 2023-05-29 | 148 pages | IMARC Group

To place an Order with Scotts International:

- ☐ - Print this form
- ☐ - Complete the relevant blank fields and sign
- ☐ - Send as a scanned email to support@scotts-international.com

ORDER FORM:

Select license	License	Price
	Electronic (PDF) Single User	\$2499.00
	Five User Licence	\$3499.00
	Enterprisewide License	\$4499.00
		VAT
		Total

*Please circle the relevant license option. For any questions please contact support@scotts-international.com or 0048 603 394 346.

** VAT will be added at 23% for Polish based companies, individuals and EU based companies who are unable to provide a valid EU Vat Numbers.

Email*	<input type="text"/>	Phone*	<input type="text"/>
First Name*	<input type="text"/>	Last Name*	<input type="text"/>
Job title*	<input type="text"/>		
Company Name*	<input type="text"/>	EU Vat / Tax ID / NIP number*	<input type="text"/>
Address*	<input type="text"/>	City*	<input type="text"/>
Zip Code*	<input type="text"/>	Country*	<input type="text"/>
		Date	<input type="text" value="2025-05-06"/>
		Signature	

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com



Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com
www.scotts-international.com