

Global Next-Generation Advanced Batteries Market 2024 by Manufacturers, Regions, Type and Application, Forecast to 2030

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Abstracts

According to our (Global Info Research) latest study, the global Next-Generation Advanced Batteries market size was valued at USD 476.4 million in 2023 and is forecast to a readjusted size of USD 2936.2 million by 2030 with a CAGR of 29.7% during review period.

Despite the progress made to date by commercially available lithium ion (Li-ion), advanced lead-acid, flow, and molten salt batteries, the path toward the commercialization of new battery chemistries continues. The next-generation advanced battery chemistries at laboratory-scale research or pilot-scale production levels today include lithium sulfur (Li-S), lithium solid-state (Li-SS), next-generation flow, and metal-air. Their advent is occurring alongside an enormous growth in the world's appetite for advanced energy storage devices. Increasingly, this will include electric vehicles, energy storage and consumer electronics.

Global Next-Generation Advanced Batteries key players include OXIS Energy, PATHION, Sion Power, GS Yuasa, Nohm Technologies, etc. North America is the largest market, with a share about 35%, followed by Europe, with a share about 30 percent. In terms of product, Lithium Sulfur is the largest segment, with a share about 40%. And in terms of application, the largest application is Transportation, followed by Energy Storage, Consumer Electronic, etc.

The Global Info Research report includes an overview of the development of the Next-Generation Advanced Batteries industry chain, the market status of Transportation (Lithium Sulfur, Magnesium Ion), Energy Storage (Lithium Sulfur, Magnesium Ion), and key enterprises in developed and developing market, and analysed the cutting-edge

technology, patent, hot applications and market trends of Next-Generation Advanced Batteries.

Regionally, the report analyzes the Next-Generation Advanced Batteries markets in key regions. North America and Europe are experiencing steady growth, driven by government initiatives and increasing consumer awareness. Asia-Pacific, particularly China, leads the global Next-Generation Advanced Batteries market, with robust domestic demand, supportive policies, and a strong manufacturing base.

Key Features:

The report presents comprehensive understanding of the Next-Generation Advanced Batteries market. It provides a holistic view of the industry, as well as detailed insights into individual components and stakeholders. The report analysis market dynamics, trends, challenges, and opportunities within the Next-Generation Advanced Batteries industry.

The report involves analyzing the market at a macro level:

Market Sizing and Segmentation: Report collect data on the overall market size, including the sales quantity (GWh), revenue generated, and market share of different by Type (e.g., Lithium Sulfur, Magnesium Ion).

Industry Analysis: Report analyse the broader industry trends, such as government policies and regulations, technological advancements, consumer preferences, and market dynamics. This analysis helps in understanding the key drivers and challenges influencing the Next-Generation Advanced Batteries market.

Regional Analysis: The report involves examining the Next-Generation Advanced Batteries market at a regional or national level. Report analyses regional factors such as government incentives, infrastructure development, economic conditions, and consumer behaviour to identify variations and opportunities within different markets.

Market Projections: Report covers the gathered data and analysis to make future projections and forecasts for the Next-Generation Advanced Batteries market. This may include estimating market growth rates, predicting market demand, and identifying emerging trends.

The report also involves a more granular approach to Next-Generation Advanced

Batteries:

Company Analysis: Report covers individual Next-Generation Advanced Batteries manufacturers, suppliers, and other relevant industry players. This analysis includes studying their financial performance, market positioning, product portfolios, partnerships, and strategies.

Consumer Analysis: Report covers data on consumer behaviour, preferences, and attitudes towards Next-Generation Advanced Batteries. This may involve surveys, interviews, and analysis of consumer reviews and feedback from different by Application (Transportation, Energy Storage).

Technology Analysis: Report covers specific technologies relevant to Next-Generation Advanced Batteries. It assesses the current state, advancements, and potential future developments in Next-Generation Advanced Batteries areas.

Competitive Landscape: By analyzing individual companies, suppliers, and consumers, the report presents insights into the competitive landscape of the Next-Generation Advanced Batteries market. This analysis helps understand market share, competitive advantages, and potential areas for differentiation among industry players.

Market Validation: The report involves validating findings and projections through primary research, such as surveys, interviews, and focus groups.

Market Segmentation

Next-Generation Advanced Batteries market is split by Type and by Application. For the period 2019-2030, the growth among segments provides accurate calculations and forecasts for consumption value by Type, and by Application in terms of volume and value.

Market segment by Type

Lithium Sulfur

Magnesium Ion

Solid Electrodes

Metal-Air

Ultracapacitors

Others

Market segment by Application

Transportation

Energy Storage

Consumer Electronic

Others

Major players covered

OXIS Energy

PATHION

Sion Power

GS Yuasa

Nohm Technologies

PolyPlus

Lockheed Martin

Pellion Technologies

Seeo

Solid Power

Amprius

24M

Phinergy

Fluidic Energy

Maxwell

Ambri

ESS

Market segment by region, regional analysis covers

North America (United States, Canada and Mexico)

Europe (Germany, France, United Kingdom, Russia, Italy, and Rest of Europe)

Asia-Pacific (China, Japan, Korea, India, Southeast Asia, and Australia)

South America (Brazil, Argentina, Colombia, and Rest of South America)

Middle East & Africa (Saudi Arabia, UAE, Egypt, South Africa, and Rest of Middle East & Africa)

The content of the study subjects, includes a total of 15 chapters:

Chapter 1, to describe Next-Generation Advanced Batteries product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Next-Generation Advanced Batteries, with price, sales, revenue and global market share of Next-Generation Advanced Batteries from 2019 to 2024.

Chapter 3, the Next-Generation Advanced Batteries competitive situation, sales quantity, revenue and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the Next-Generation Advanced Batteries breakdown data are shown at the regional level, to show the sales quantity, consumption value and growth by regions, from 2019 to 2030.

Chapter 5 and 6, to segment the sales by Type and application, with sales market share and growth rate by type, application, from 2019 to 2030.

Chapter 7, 8, 9, 10 and 11, to break the sales data at the country level, with sales quantity, consumption value and market share for key countries in the world, from 2017 to 2023. and Next-Generation Advanced Batteries market forecast, by regions, type and application, with sales and revenue, from 2025 to 2030.

Chapter 12, market dynamics, drivers, restraints, trends and Porters Five Forces analysis.

Chapter 13, the key raw materials and key suppliers, and industry chain of Next-Generation Advanced Batteries.

Chapter 14 and 15, to describe Next-Generation Advanced Batteries sales channel, distributors, customers, research findings and conclusion.

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