

# Global Next-Generation Advanced Batteries Competitive Landscape Professional Research Report 2025

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## Abstracts

### Market Overview

According to DIResearch's in-depth investigation and research, the global Next-Generation Advanced Batteries market size will reach 1,569.29 Million USD in 2025 and is projected to reach 11,257.55 Million USD by 2032, with a CAGR of 32.51% (2025-2032). Notably, the China Next-Generation Advanced Batteries market has changed rapidly in the past few years. By 2025, China's market size is expected to be Million USD, representing approximately % of the global market share.

### Research Summary

Next-Generation Advanced Batteries refer to a new class of energy storage technologies that aim to overcome the limitations of traditional batteries, such as lithium-ion batteries, by providing improved performance, higher energy density, longer lifespan, faster charging capabilities, and enhanced safety. These advanced battery technologies are being developed to meet the growing demands of various industries, including electric vehicles, renewable energy storage, portable electronics, and grid-scale applications. Examples of next-generation advanced batteries include solid-state batteries, lithium-sulfur batteries, flow batteries, and metal-air batteries. These technologies utilize innovative materials, electrolytes, and cell designs to enhance energy storage capacity, reduce reliance on scarce or hazardous materials, and enable more sustainable and efficient energy systems. Next-generation advanced batteries hold the potential to revolutionize the way we store and utilize energy, enabling the widespread adoption of renewable energy sources, increasing the range and efficiency of electric vehicles, and providing more reliable and scalable energy storage solutions.

The major global manufacturers of Next-Generation Advanced Batteries include OXIS Energy, PATHION, Sion Power, GS Yuasa, Nohm Technologies, PolyPlus, Lockheed Martin, Pellion Technologies, Solid Power, Seeo, Amprius, 24M, Phinergy, Fluidic Energy, ESS, Ambri, Maxwell, etc. The global players competition landscape in this report is divided into three tiers. The first tier comprises global leading enterprises that command a substantial market share, hold a dominant industry position, possess strong competitiveness and influence, and generate significant revenue. The second tier includes companies with a notable market presence and reputation; these firms actively follow industry leaders in product, service, or technological innovation and maintain a moderate revenue scale. The third tier consists of smaller companies with limited market share and lower brand recognition, primarily focused on local markets and generating comparatively lower revenue.

This report studies the market size, price trends and future development prospects of Next-Generation Advanced Batteries. Focus on analysing the market share, product portfolio, prices, sales, revenue and gross profit margin of global major manufacturers, as well as the market status and trends of different product types and applications in the global Next-Generation Advanced Batteries market. The report data covers historical data from 2020 to 2024, based year in 2025 and forecast data from 2026 to 2032.

The regions and countries in the report include North America, Europe, China, APAC (excl. China), Latin America and Middle East and Africa, covering the Next-Generation Advanced Batteries market conditions and future development trends of key regions and countries, combined with industry-related policies and the latest technological developments, analyze the development characteristics of Next-Generation Advanced Batteries industries in various regions and countries, help companies understand the development characteristics of each region, help companies formulate business strategies, and achieve the ultimate goal of the company's global development strategy.

The data sources of this report mainly include the National Bureau of Statistics, customs databases, industry associations, corporate financial reports, third-party databases, etc. Among them, macroeconomic data mainly comes from the National Bureau of Statistics, International Economic Research Organization; industry statistical data mainly come from industry associations; company data mainly comes from interviews, public information collection, third-party reliable databases, and price data mainly comes from various markets monitoring database.

**Global Key Manufacturers of Next-Generation Advanced Batteries Include:**

OXIS Energy

PATHION

Sion Power

GS Yuasa

Nohm Technologies

PolyPlus

Lockheed Martin

Pellion Technologies

Solid Power

Seeo

Amprius

24M

Phinergy

Fluidic Energy

ESS

Ambri

Maxwell

Next-Generation Advanced Batteries Product Segment Include:

Lithium Sulfur Battery

Magnesium Ion Battery

Solid Electrodes Battery

Metal-Air Battery

Ultracapacitors Battery

Others

Next-Generation Advanced Batteries Product Application Include:

Transportation

Energy Storage

Consumer Electronic

Others

## **Chapter Scope**

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Chapter 3: Global Next-Generation Advanced Batteries Industry Porter's Five Forces Analysis

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