

# Global Next-Generation 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 Batteries market size will reach 2,435.75 Million USD in 2025 and is projected to reach 48,089.99 Million USD by 2032, with a CAGR of 53.13% (2025-2032). Notably, the China Next-Generation 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 batteries are advanced energy storage technologies that aim to overcome the limitations of traditional battery systems like lithium-ion. These innovative batteries offer higher energy density, faster charging rates, improved safety, and longer lifespans. They are crucial for addressing the growing demand for energy storage in applications ranging from portable electronics to electric vehicles and renewable energy integration. Examples of next-generation batteries include solid-state batteries, which replace the liquid electrolyte with a solid electrolyte for improved safety and performance, and lithium-sulfur batteries, which offer higher energy density. Other promising technologies include sodium-ion batteries, flow batteries, and metal-air batteries, each with unique advantages and challenges. Overall, next-generation batteries are essential for enabling a more sustainable and efficient energy future.

The major global suppliers of Next-Generation Batteries include Sion Power, Envia Systems, Ambri, Hitachi, Fluidic Energy, LG Chemicals, Phinergy, Samsung, Saft Group, Amprius, Mitsubishi Chemical, Seo, Lockheed Martin, Uniross Batteries,

PolyPlus Transfection, OXIS Energy, 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 Batteries. Focus on analysing the market share, product portfolio, prices, sales, revenue and gross profit margin of global major suppliers, as well as the market status and trends of different product types and applications in the global Next-Generation 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 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 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 Suppliers of Next-Generation Batteries Include:

Sion Power

Envia Systems

Ambri

Hitachi

Fluidic Energy

LG Chemicals

Phinergy

Samsung

Saft Group

Amprius

Mitsubishi Chemical

Seeo

Lockheed Martin

Uniross Batteries

PolyPlus Transfection

OXIS Energy

Next-Generation Batteries Product Segment Include:

Li-Ion Batteries

Ni-Cd Batteries

Ni-Metal Hydride

Lithium Sulfur

Magnesium Ion

Solid Electrodes

Metal Air

Ultra-Capacitors

Next-Generation Batteries Product Application Include:

Automotive

Aerospace & Defense

Consumer Electronics

Industrial

Oil & Gas

Others

## **Chapter Scope**

Chapter 1: Product Research Range, Product Types and Applications, Market Overview, Market Situation and Trends

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

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