

Global Solid-State Battery Precursor Market 2025 by Manufacturers, Regions, Type and Application, Forecast to 2031

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Abstracts

According to our (Global Info Research) latest study, the global Solid-State Battery Precursor market size was valued at US\$ 11.1 million in 2024 and is forecast to a readjusted size of USD 88.9 million by 2031 with a CAGR of 35.1% during review period.

In this report, we will assess the current U.S. tariff framework alongside international policy adaptations, analyzing their effects on competitive market structures, regional economic dynamics, and supply chain resilience.

Solid-state battery precursors are the materials used in preparing the solid electrolytes and electrodes for solid-state batteries. These precursors are key to enhancing energy density, safety, and longevity in these next-generation batteries.

Solid-state battery precursors refer to key materials used to prepare solid-state batteries. These materials undergo chemical reactions or physical changes during the manufacturing process of the battery and eventually form the active substances of the battery. Solid-state batteries are a battery technology that uses solid electrolytes instead of traditional liquid electrolytes, with advantages such as higher energy density, better safety and longer cycle life.

Many companies and research institutions around the world are increasing their investment in the research and development of solid-state batteries, including Toyota, Volkswagen, BMW, CATL, Samsung SDI, etc.

Some companies have begun small-scale production and pilot applications of solid-

state batteries, and more commercial products are expected to be launched in the next few years.

Governments of various countries are also actively promoting the development of new energy technologies, providing financial support and policy incentives to promote the industrialization of solid-state battery technology.

With their unique advantages, solid-state batteries have shown broad application prospects in many fields. Although there are still some technical challenges, with the continuous efforts of scientific research and industry, these problems are expected to be gradually solved. In the future, solid-state batteries are expected to become one of the mainstream battery technologies and promote further development in the field of new energy.

This report is a detailed and comprehensive analysis for global Solid-State Battery Precursor market. Both quantitative and qualitative analyses are presented by manufacturers, by region & country, by Type and by Application. As the market is constantly changing, this report explores the competition, supply and demand trends, as well as key factors that contribute to its changing demands across many markets. Company profiles and product examples of selected competitors, along with market share estimates of some of the selected leaders for the year 2025, are provided.

Key Features:

Global Solid-State Battery Precursor market size and forecasts, in consumption value (\$ Million), sales quantity (Tons), and average selling prices (US\$/Ton), 2020-2031

Global Solid-State Battery Precursor market size and forecasts by region and country, in consumption value (\$ Million), sales quantity (Tons), and average selling prices (US\$/Ton), 2020-2031

Global Solid-State Battery Precursor market size and forecasts, by Type and by Application, in consumption value (\$ Million), sales quantity (Tons), and average selling prices (US\$/Ton), 2020-2031

Global Solid-State Battery Precursor market shares of main players, shipments in revenue (\$ Million), sales quantity (Tons), and ASP (US\$/Ton), 2020-2025

The Primary Objectives in This Report Are:

Global Solid-State Battery Precursor Market 2025 by Manufacturers, Regions, Type and Application, Forecast to...

To determine the size of the total market opportunity of global and key countries
To assess the growth potential for Solid-State Battery Precursor
To forecast future growth in each product and end-use market
To assess competitive factors affecting the marketplace

This report profiles key players in the global Solid-State Battery Precursor market based on the following parameters - company overview, sales quantity, revenue, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include GEM, Longpan Technology, CNGR Advanced Material Co., Ltd., Materion Corporation, AICHELIN Ges.m.b.H., Albemarle Corporation, Toshima Manufacturing Co., Ltd., Umicore, Ningbo Ronbay Lithium Battery Materials Co., Ltd, BTR New Materials, etc.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals.

Market Segmentation

Solid-State Battery Precursor market is split by Type and by Application. For the period 2020-2031, the growth among segments provides accurate calculations and forecasts for consumption value by Type, and by Application in terms of volume and value. This analysis can help you expand your business by targeting qualified niche markets.

Market segment by Type

Lithium Phosphate (LiFePO₄) Precursor

Lithium Nickel Manganese Cobalt (NMC) Precursor

Lithium Cobalt Oxide (LiCoO₂) Precursor

Lithium Manganese Oxide (LiMn₂O₄) Precursor

Lithium Iron Phosphate (LiFePO₄) Precursor

Others

Market segment by Application

Automotive Solid-State Batteries

Industrial Solid-State Batteries

Energy Storage Solid-State Batteries

Others

Major players covered

GEM

Longpan Technology

CNGR Advanced Material Co., Ltd.

Materion Corporation

AICHELIN Ges.m.b.H.

Albemarle Corporation

Toshima Manufacturing Co., Ltd.

Umicore

Ningbo Ronbay Lithium Battery Materials Co., Ltd

BTR New Materials

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 Solid-State Battery Precursor product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Solid-State Battery Precursor, with price, sales quantity, revenue, and global market share of Solid-State Battery Precursor from 2020 to 2025.

Chapter 3, the Solid-State Battery Precursor competitive situation, sales quantity, revenue, and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the Solid-State Battery Precursor breakdown data are shown at the regional level, to show the sales quantity, consumption value, and growth by regions, from 2020 to 2031.

Chapter 5 and 6, to segment the sales by Type and by Application, with sales market share and growth rate by Type, by Application, from 2020 to 2031.

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 2020 to 2025. and Solid-State Battery Precursor market forecast, by regions, by Type, and by Application, with sales and revenue, from 2026 to 2031.

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 Solid-State Battery Precursor.

Chapter 14 and 15, to describe Solid-State Battery Precursor sales channel, distributors, customers, research findings and conclusion.

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