

Global Cobalt Free Cathode Materials Market 2026 by Manufacturers, Regions, Type and Application, Forecast to 2032

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Abstracts

According to our (Global Info Research) latest study, the global Cobalt Free Cathode Materials market size was valued at US\$ 8697 million in 2025 and is forecast to a readjusted size of US\$ 19683 million by 2032 with a CAGR of 12.3% during review period.

Cobalt free cathode materials refer to cathode active materials for lithium ion secondary batteries that contain zero cobalt in their chemical composition, formulated to eliminate dependency on cobalt while maintaining high energy density, safety, cycle life, rate capability, and overall electrochemical performance. In 2025, global cobalt free cathode materials production reached approximately 1,408K ton, with an average global market price of around USD 6,000 per ton. A factory gross profit of USD 1,200 per ton with 20% gross margin. A single line full machine capacity production is around 1,500 ton per line per year. The upstream is dependent on lithium carbonate, iron phosphate and conductive carbon. The downstream demand is concentrated in ev batteries, energy storage systems and industrial batteries. LFP blade battery used in EV for longer life cycle life, safety and cost efficiency. China market is driven by dominant production and consumption in EV manufacturing and battery cell output. US market is driven by government incentives under the Inflation Reduction Act (IRA) and heavy investments from automotive companies.

This report is a detailed and comprehensive analysis for global Cobalt Free Cathode Materials 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 Cobalt Free Cathode Materials market size and forecasts, in consumption value (\$ Million), sales quantity (Tons), and average selling prices (US\$/Ton), 2021-2032

Global Cobalt Free Cathode Materials market size and forecasts by region and country, in consumption value (\$ Million), sales quantity (Tons), and average selling prices (US\$/Ton), 2021-2032

Global Cobalt Free Cathode Materials market size and forecasts, by Type and by Application, in consumption value (\$ Million), sales quantity (Tons), and average selling prices (US\$/Ton), 2021-2032

Global Cobalt Free Cathode Materials market shares of main players, shipments in revenue (\$ Million), sales quantity (Tons), and ASP (US\$/Ton), 2021-2026

The Primary Objectives in This Report Are:

To determine the size of the total market opportunity of global and key countries

To assess the growth potential for Cobalt Free Cathode Materials

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 Cobalt Free Cathode Materials 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 Contemporary Amperex Technology Co., Limited (CATL), BYD Co., Ltd., SVOLT Energy Technology Co., Ltd., Gotion High-tech Co., Ltd., Samsung SDI Co., Ltd., LG Energy Solution Ltd., SK On Co., Ltd., ECOPRO BM Co., Ltd., Umicore SA, BASF SE, etc.

This report also provides key insights about market drivers, restraints, opportunities,

new product launches or approvals.

Market Segmentation

Cobalt Free Cathode Materials market is split by Type and by Application. For the period 2021-2032, 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

Cobalt Free Layered NMx/NMA

Lithium Manganese Rich

Disordered Rock Salt

NFA (Nickel Iron Aluminum)

Others

Market segment by Manufacturing Process

Solid Phase Synthesis

Co Precipitation Method

Solvothermal Synthesis

Carbon Coating and Nano Engineering

Others

Market segment by Thermal Stability Grade

Ultra High Stability (>300°C)

High Stability (250-300°C)

Medium Stability (200-250°C)

Low Stability (

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