

Global Battery Grade Dimethyl Carbonate (DMC) 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 Battery Grade Dimethyl Carbonate (DMC) market size was valued at US\$ 263 million in 2025 and is forecast to a readjusted size of US\$ 438 million by 2032 with a CAGR of 6.6% during review period.

Global production of battery-grade dimethyl carbonate (DMC) reached 142,000 tons in 2025, with an average price of approximately US\$1,800 per ton.

Battery-grade dimethyl carbonate (DMC) is a high-purity compound commonly used as a solvent and electrolyte component in lithium-ion batteries. Its stability, high dielectric constant, and low viscosity make it a highly desirable ingredient in batteries for various applications, including electric vehicles, portable electronics, and energy storage systems. The industry's gross margin is approximately 20-35%.

Key market drivers include:

Explosive growth in new energy vehicles and energy storage; a strong positive correlation between lithium-ion battery production and electrolyte demand; and a surge in demand for battery-grade DMC driven by China's electrolyte shipments reaching 1.138 million tons. The demand for long-life, high-safety batteries in energy storage sectors (such as 5G base stations and data centers) further expands the market.

Environmental policies and the 'dual-carbon' target are driving the chemical industry's low-carbon transformation. DMC, with its low toxicity and easy degradation properties, has become an ideal substitute for traditional solvents. The EU's Battery Regulation

requires a 70% battery recycling rate by 2030, forcing the industry chain to upgrade towards green practices, leading to a continuous increase in demand for battery-grade DMC.

Technological iteration and deepening industry chain collaboration are also driving the industry. Leading companies are reducing costs through integrated 'raw material-production-application' layouts (such as Hualu Hengsheng's self-supply of propylene oxide), while simultaneously collaborating with battery manufacturers to develop customized electrolyte formulations, increasing product added value. Furthermore, optimization of the PO process (such as extended catalyst life) and breakthroughs in the EO process are improving industry efficiency and profit margins.

This report is a detailed and comprehensive analysis for global Battery Grade Dimethyl Carbonate (DMC) 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 Battery Grade Dimethyl Carbonate (DMC) market size and forecasts, in consumption value (\$ Million), sales quantity (Tons), and average selling prices (US\$/Ton), 2021-2032

Global Battery Grade Dimethyl Carbonate (DMC) market size and forecasts by region and country, in consumption value (\$ Million), sales quantity (Tons), and average selling prices (US\$/Ton), 2021-2032

Global Battery Grade Dimethyl Carbonate (DMC) 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 Battery Grade Dimethyl Carbonate (DMC) 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 Battery Grade Dimethyl Carbonate (DMC)

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 Battery Grade Dimethyl Carbonate (DMC) 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 Shandong Shida Shenghua, Haike Group, Ube Industries, Fushun Dongke Fine Chemical, Tongling Jintai Chemical Industrial, Mitsui Fine Chemicals, Dongyue Chem Group, etc.

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

Market Segmentation

Battery Grade Dimethyl Carbonate (DMC) 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

99%

99.9%

Others

Market segment by Technology

Transesterification

Oxidative Carbonylation

Urea Alcohololysis

Market segment by Functional Category

Electrolyte Solvent

Polycarbonate Synthesis

Green Solvent

Market segment by Application

Power Backups/UPS

Consumer Electronic

Electric Mobility/Vehicles

Energy Storage Systems

Others

Major players covered

Shandong Shida Shenghua

Haike Group

Ube Industries

Fushun Dongke Fine Chemical

Tongling Jintai Chemical Industrial

Mitsui Fine Chemicals

Dongyue Chem Group

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 Battery Grade Dimethyl Carbonate (DMC) product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Battery Grade Dimethyl Carbonate (DMC), with price, sales quantity, revenue, and global market share of Battery Grade Dimethyl Carbonate (DMC) from 2021 to 2026.

Chapter 3, the Battery Grade Dimethyl Carbonate (DMC) competitive situation, sales quantity, revenue, and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the Battery Grade Dimethyl Carbonate (DMC) breakdown data are shown at the regional level, to show the sales quantity, consumption value, and growth by regions, from 2021 to 2032.

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 2021 to 2032.

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 2021 to 2026. and Battery Grade Dimethyl Carbonate (DMC) market forecast, by regions, by Type, and by Application, with sales and revenue, from 2027 to 2032.

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 Battery Grade Dimethyl Carbonate (DMC).

Chapter 14 and 15, to describe Battery Grade Dimethyl Carbonate (DMC) sales channel, distributors, customers, research findings and conclusion.

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