

Global Battery Grade Ethyl Methyl Carbonate (EMC) Market Growth 2026-2032

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Abstracts

The global Battery Grade Ethyl Methyl Carbonate (EMC) market size is predicted to grow from US\$ 418 million in 2025 to US\$ 627 million in 2032; it is expected to grow at a CAGR of 6.1% from 2026 to 2032.

Global production of battery-grade ethyl methyl carbonate (EMC) reached 122,000 tons in 2025, with an average price of approximately US\$3,500 per ton.

Battery-grade ethyl methyl carbonate (EMC) is a colorless and transparent liquid with a molecular structure containing methyl and ethyl functional groups. It features low viscosity, a wide liquid temperature range (-53°C to 110°C), and high ionic conductivity, making it a core solvent in lithium-ion battery electrolytes and enhancing battery energy density and cycle life. It is valued for its excellent electrochemical properties, such as low viscosity, high dielectric constant, and good solubility for lithium salts, which are crucial for the efficient operation of lithium-ion batteries. The industry's gross profit 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 projected global sales volume of over 25 million new energy vehicles in 2025, driving a surge in demand for battery-grade EMC. The demand for long-life, high-safety batteries in energy storage applications (such as 5G base stations and data centers) further expands the market.

Technological Iteration and Deepening Supply Chain Collaboration: Leading companies

reduce costs through integrated "raw material-production-application" layouts (such as self-supplying DMC raw materials), while collaborating with battery manufacturers to develop customized electrolyte formulas, thereby increasing product added value. For example, Tangshan Haoyu Technology, through over 60 patented technologies, has increased EMC purity to 99.999%, meeting the demands of the high-end market.

Environmental Policies and "Dual Carbon" Goals: China's "dual carbon" strategy is accelerating the low-carbon transformation of the chemical industry. EMC, due to its low toxicity and easy degradation characteristics, has become an ideal substitute for traditional solvents. The EU's Battery Regulation requires a 70% battery recycling rate by 2030, forcing the supply chain to upgrade towards green practices, leading to a continuous increase in demand for battery-grade EMC.

LP Information, Inc. (LPI) ' newest research report, the "Battery Grade Ethyl Methyl Carbonate (EMC) Industry Forecast" looks at past sales and reviews total world Battery Grade Ethyl Methyl Carbonate (EMC) sales in 2025, providing a comprehensive analysis by region and market sector of projected Battery Grade Ethyl Methyl Carbonate (EMC) sales for 2026 through 2032. With Battery Grade Ethyl Methyl Carbonate (EMC) sales broken down by region, market sector and sub-sector, this report provides a detailed analysis in US\$ millions of the world Battery Grade Ethyl Methyl Carbonate (EMC) industry.

This Insight Report provides a comprehensive analysis of the global Battery Grade Ethyl Methyl Carbonate (EMC) landscape and highlights key trends related to product segmentation, company formation, revenue, and market share, latest development, and M&A activity. This report also analyzes the strategies of leading global companies with a focus on Battery Grade Ethyl Methyl Carbonate (EMC) portfolios and capabilities, market entry strategies, market positions, and geographic footprints, to better understand these firms' unique position in an accelerating global Battery Grade Ethyl Methyl Carbonate (EMC) market.

This Insight Report evaluates the key market trends, drivers, and affecting factors shaping the global outlook for Battery Grade Ethyl Methyl Carbonate (EMC) and breaks down the forecast by Type, by Application, geography, and market size to highlight emerging pockets of opportunity. With a transparent methodology based on hundreds of bottom-up qualitative and quantitative market inputs, this study forecast offers a highly nuanced view of the current state and future trajectory in the global Battery Grade Ethyl Methyl Carbonate (EMC).

This report presents a comprehensive overview, market shares, and growth opportunities of Battery Grade Ethyl Methyl Carbonate (EMC) market by product type, application, key manufacturers and key regions and countries.

Segmentation by Type:

99%

99.9%

Others

Segmentation by Technology:

Transesterification Method

Methyl Chloroformate Method

Segmentation by Functional Category:

Electrolyte Solvent

Organic Synthesis Intermediates

Segmentation by Application:

Power Backups/UPS

Consumer Electronic

Electric Mobility/Vehicles

Energy Storage Systems

Others

This report also splits the market by region:

Americas

United States

Canada

Mexico

Brazil

APAC

China

Japan

Korea

Southeast Asia

India

Australia

Europe

Germany

France

UK

Italy

Russia

Middle East & Africa

Egypt

South Africa

Israel

Turkey

GCC Countries

The below companies that are profiled have been selected based on inputs gathered from primary experts and analysing the company's coverage, product portfolio, its market penetration.

Shandong Shida Shenghua

Haike Group

Ube Industries

Fushun Dongke Fine Chemical

Tongling Jintai Chemical Industrial

Mitsui Fine Chemicals

Dongyue Chem Group

Key Questions Addressed in this Report

What is the 10-year outlook for the global Battery Grade Ethyl Methyl Carbonate (EMC) market?

What factors are driving Battery Grade Ethyl Methyl Carbonate (EMC) market growth, globally and by region?

Which technologies are poised for the fastest growth by market and region?

How do Battery Grade Ethyl Methyl Carbonate (EMC) market opportunities vary by end market size?

How does Battery Grade Ethyl Methyl Carbonate (EMC) break out by Type, by Application?

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