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Global Diethyl Carbonate for Lithium-Ion Battery 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 Diethyl Carbonate for Lithium-Ion Battery market size was valued at US$ 225 million in 2025 and is forecast to a readjusted size of US$ 319 million by 2032 with a CAGR of 5.1% during review period.

In 2025, global Diethyl Carbonate for Lithium-Ion Battery production reached approximately 199 kilotons?with an average global market price of around US$ 1,100 per ton, and a gross profit margin of approximately 20%-40%. Diethyl Carbonate (DEC) for lithium-ion batteries refers to electrolyte-grade diethyl carbonate, a linear organic carbonate solvent manufactured and purified to very tight impurity limits so it can be safely used inside Li-ion cells. Its primary role is to act as part of the electrolyte solvent system that dissolves lithium salts (most commonly LiPF? in conventional electrolytes) and enables Li? ions to move efficiently between the anode and cathode during charge and discharge. DEC is rarely used alone, it is typically blended with ethylene carbonate (EC) and other linear carbonates such as dimethyl carbonate (DMC) and/or ethyl methyl carbonate (EMC) to balance key properties including viscosity, ionic conductivity, electrode/separator wettability, low-temperature power, and manufacturability (filling and soaking behavior). What distinguishes “for lithium-ion battery” DEC from industrial grades is the requirement for ultra-low moisture, low acidity, and extremely low levels of halides and trace metals (e.g., Na, K, Ca, Mg, Fe), because these contaminants can accelerate LiPF? hydrolysis, generate HF, corrode current collectors, disrupt SEI/CEI formation, increase gassing, and drive impedance growth and capacity fade.

This report is a detailed and comprehensive analysis for global Diethyl Carbonate for Lithium-Ion Battery market. Both quantitative and qualitative analyses are presented by

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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 Diethyl Carbonate for Lithium-Ion Battery market size and forecasts, in consumption value ($ Million), sales quantity (Kilotons), and average selling prices (US$/Ton), 2021-2032

Global Diethyl Carbonate for Lithium-Ion Battery market size and forecasts by region and country, in consumption value ($ Million), sales quantity (Kilotons), and average selling prices (US$/Ton), 2021-2032

Global Diethyl Carbonate for Lithium-Ion Battery market size and forecasts, by Type and by Application, in consumption value ($ Million), sales quantity (Kilotons), and average selling prices (US$/Ton), 2021-2032

Global Diethyl Carbonate for Lithium-Ion Battery market shares of main players, shipments in revenue ($ Million), sales quantity (Kilotons), 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 Diethyl Carbonate for Lithium-Ion Battery
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 Diethyl Carbonate for Lithium-Ion Battery 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 Shinghwa Advanced Material, Hi-tech Spring Material Technology, Tongling Jintai Chemical Industrial, Shandong Lixing Advanced Material, Dongke Group, Shandong Feiyang Chemical, Hengyang New Energy, Liaoning Konglung, Liaoyang Besta Chemical, Liaoyang Dongchang Chemical, etc.

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

Market Segmentation

Diethyl Carbonate for Lithium-Ion Battery 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

Purity: 99.95%

Purity: 99.98%

Purity: 99.99%

Others

Market segment by Production Process

Transesterification Method

Phosgenation Method

Others

Market segment by Application

Carbonate Liquid Electrolyte

High-Nickel Electrolyte

Others

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Major players covered

Shinghwa Advanced Material

Hi-tech Spring Material Technology

Tongling Jintai Chemical Industrial

Shandong Lixing Advanced Material

Dongke Group

Shandong Feiyang Chemical

Hengyang New Energy

Liaoning Konglung

Liaoyang Besta Chemical

Liaoyang Dongchang Chemical

Shandong Hosea Chemical

Zhi shang Chemica

Eapearl

SANKYO CHEMICAL

Kishida Chemical

LANXESS

LOTTE Chemical

Vizag Chemical International

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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 Diethyl Carbonate for Lithium-Ion Battery product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Diethyl Carbonate for Lithium-Ion Battery, with price, sales quantity, revenue, and global market share of Diethyl Carbonate for Lithium-Ion Battery from 2021 to 2026.

Chapter 3, the Diethyl Carbonate for Lithium-Ion Battery competitive situation, sales quantity, revenue, and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the Diethyl Carbonate for Lithium-Ion Battery 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 Diethyl Carbonate for Lithium-Ion Battery 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 Diethyl Carbonate for Lithium-Ion Battery.

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Chapter 14 and 15, to describe Diethyl Carbonate for Lithium-Ion Battery sales channel, distributors, customers, research findings and conclusion.

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