

# Global Battery Grade Dimethyl Carbonate (DMC) Supply, Demand and Key Producers, 2026-2032

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## Abstracts

The global Battery Grade Dimethyl Carbonate (DMC) market size is expected to reach \$ 438 million by 2032, rising at a market growth of 6.6% CAGR during the forecast period (2026-2032).

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 studies the global Battery Grade Dimethyl Carbonate (DMC) production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for Battery Grade Dimethyl Carbonate (DMC) and provides market size (US\$ million) and Year-over-Year (YoY) Growth, considering 2025 as the base year. This report explores demand trends and competition, as well as details the characteristics of Battery Grade Dimethyl Carbonate (DMC) that contribute to its increasing demand across many markets.

### **Highlights and key features of the study**

Global Battery Grade Dimethyl Carbonate (DMC) total production and demand, 2021-2032, (Tons)

Global Battery Grade Dimethyl Carbonate (DMC) total production value, 2021-2032, (USD Million)

Global Battery Grade Dimethyl Carbonate (DMC) production by region & country, production, value, CAGR, 2021-2032, (USD Million) & (Tons), (based on production site)

Global Battery Grade Dimethyl Carbonate (DMC) consumption by region & country, CAGR, 2021-2032 & (Tons)

U.S. VS China: Battery Grade Dimethyl Carbonate (DMC) domestic production, consumption, key domestic manufacturers and share

Global Battery Grade Dimethyl Carbonate (DMC) production by manufacturer, production, price, value and market share 2021-2026, (USD Million) & (Tons)

Global Battery Grade Dimethyl Carbonate (DMC) production by Type, production, value, CAGR, 2021-2032, (USD Million) & (Tons)

Global Battery Grade Dimethyl Carbonate (DMC) production by Application, production, value, CAGR, 2021-2032, (USD Million) & (Tons)

This report profiles key players in the global Battery Grade Dimethyl Carbonate (DMC) market based on the following parameters - company overview, production, value, 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.

Stakeholders would have ease in decision-making through various strategy matrices used in analyzing the World Battery Grade Dimethyl Carbonate (DMC) market

**Detailed Segmentation:**

Each section contains quantitative market data including market by value (US\$ Millions), volume (production, consumption) & (Tons) and average price (US\$/Ton) by manufacturer, by Type, and by Application. Data is given for the years 2021-2032 by year with 2025 as the base year, 2026 as the estimate year, and 2027-2032 as the forecast year.

Global Battery Grade Dimethyl Carbonate (DMC) Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

Global Battery Grade Dimethyl Carbonate (DMC) Market, Segmentation by Type:

99%

99.9%

Others

Global Battery Grade Dimethyl Carbonate (DMC) Market, Segmentation by Technology:

Transesterification

Oxidative Carbonylation

Urea Alcohololysis

Global Battery Grade Dimethyl Carbonate (DMC) Market, Segmentation by Functional Category:

Electrolyte Solvent

Polycarbonate Synthesis

Green Solvent

Global Battery Grade Dimethyl Carbonate (DMC) Market, Segmentation by Application:

Power Backups/UPS

Consumer Electronic

Electric Mobility/Vehicles

Energy Storage Systems

Others

**Companies Profiled:**

Shandong Shida Shenghua

Haike Group

Ube Industries

Fushun Dongke Fine Chemical

Tongling Jintai Chemical Industrial

Mitsui Fine Chemicals

Dongyue Chem Group

**Key Questions Answered:**

1. How big is the global Battery Grade Dimethyl Carbonate (DMC) market?
2. What is the demand of the global Battery Grade Dimethyl Carbonate (DMC) market?
3. What is the year over year growth of the global Battery Grade Dimethyl Carbonate (DMC) market?
4. What is the production and production value of the global Battery Grade Dimethyl Carbonate (DMC) market?
5. Who are the key producers in the global Battery Grade Dimethyl Carbonate (DMC) market?
6. What are the growth factors driving the market demand?

## Contents

### 1 SUPPLY SUMMARY

- 1.1 Battery Grade Dimethyl Carbonate (DMC) Introduction
- 1.2 World Battery Grade Dimethyl Carbonate (DMC) Supply & Forecast
  - 1.2.1 World Battery Grade Dimethyl Carbonate (DMC) Production Value (2021 & 2025 & 2032)
  - 1.2.2 World Battery Grade Dimethyl Carbonate (DMC) Production (2021-2032)
  - 1.2.3 World Battery Grade Dimethyl Carbonate (DMC) Pricing Trends (2021-2032)
- 1.3 World Battery Grade Dimethyl Carbonate (DMC) Production by Region (Based on Production Site)
  - 1.3.1 World Battery Grade Dimethyl Carbonate (DMC) Production Value by Region (2021-2032)
  - 1.3.2 World Battery Grade Dimethyl Carbonate (DMC) Production by Region (2021-2032)
  - 1.3.3 World Battery Grade Dimethyl Carbonate (DMC) Average Price by Region (2021-2032)
  - 1.3.4 North America Battery Grade Dimethyl Carbonate (DMC) Production (2021-2032)
  - 1.3.5 Europe Battery Grade Dimethyl Carbonate (DMC) Production (2021-2032)
  - 1.3.6 China Battery Grade Dimethyl Carbonate (DMC) Production (2021-2032)
  - 1.3.7 Japan Battery Grade Dimethyl Carbonate (DMC) Production (2021-2032)
- 1.4 Market Drivers, Restraints and Trends
  - 1.4.1 Battery Grade Dimethyl Carbonate (DMC) Market Drivers
  - 1.4.2 Factors Affecting Demand
  - 1.4.3 Battery Grade Dimethyl Carbonate (DMC) Major Market Trends

### 2 DEMAND SUMMARY

- 2.1 World Battery Grade Dimethyl Carbonate (DMC) Demand (2021-2032)
- 2.2 World Battery Grade Dimethyl Carbonate (DMC) Consumption by Region
  - 2.2.1 World Battery Grade Dimethyl Carbonate (DMC) Consumption by Region (2021-2026)
  - 2.2.2 World Battery Grade Dimethyl Carbonate (DMC) Consumption Forecast by Region (2027-2032)
- 2.3 United States Battery Grade Dimethyl Carbonate (DMC) Consumption (2021-2032)
- 2.4 China Battery Grade Dimethyl Carbonate (DMC) Consumption (2021-2032)
- 2.5 Europe Battery Grade Dimethyl Carbonate (DMC) Consumption (2021-2032)

- 2.6 Japan Battery Grade Dimethyl Carbonate (DMC) Consumption (2021-2032)
- 2.7 South Korea Battery Grade Dimethyl Carbonate (DMC) Consumption (2021-2032)
- 2.8 ASEAN Battery Grade Dimethyl Carbonate (DMC) Consumption (2021-2032)
- 2.9 India Battery Grade Dimethyl Carbonate (DMC) Consumption (2021-2032)

### **3 WORLD MANUFACTURERS COMPETITIVE ANALYSIS**

- 3.1 World Battery Grade Dimethyl Carbonate (DMC) Production Value by Manufacturer (2021-2026)
- 3.2 World Battery Grade Dimethyl Carbonate (DMC) Production by Manufacturer (2021-2026)
- 3.3 World Battery Grade Dimethyl Carbonate (DMC) Average Price by Manufacturer (2021-2026)
- 3.4 Battery Grade Dimethyl Carbonate (DMC) Company Evaluation Quadrant
- 3.5 Industry Rank and Concentration Rate (CR)
  - 3.5.1 Global Battery Grade Dimethyl Carbonate (DMC) Industry Rank of Major Manufacturers
  - 3.5.2 Global Concentration Ratios (CR4) for Battery Grade Dimethyl Carbonate (DMC) in 2025
  - 3.5.3 Global Concentration Ratios (CR8) for Battery Grade Dimethyl Carbonate (DMC) in 2025
- 3.6 Battery Grade Dimethyl Carbonate (DMC) Market: Overall Company Footprint Analysis
  - 3.6.1 Battery Grade Dimethyl Carbonate (DMC) Market: Region Footprint
  - 3.6.2 Battery Grade Dimethyl Carbonate (DMC) Market: Company Product Type Footprint
  - 3.6.3 Battery Grade Dimethyl Carbonate (DMC) Market: Company Product Application Footprint
- 3.7 Competitive Environment
  - 3.7.1 Historical Structure of the Industry
  - 3.7.2 Barriers of Market Entry
  - 3.7.3 Factors of Competition
- 3.8 New Entrant and Capacity Expansion Plans
- 3.9 Mergers, Acquisition, Agreements, and Collaborations

### **4 UNITED STATES VS CHINA VS REST OF THE WORLD**

- 4.1 United States VS China: Battery Grade Dimethyl Carbonate (DMC) Production Value Comparison

4.1.1 United States VS China: Battery Grade Dimethyl Carbonate (DMC) Production Value Comparison (2021 & 2025 & 2032)

4.1.2 United States VS China: Battery Grade Dimethyl Carbonate (DMC) Production Value Market Share Comparison (2021 & 2025 & 2032)

4.2 United States VS China: Battery Grade Dimethyl Carbonate (DMC) Production Comparison

4.2.1 United States VS China: Battery Grade Dimethyl Carbonate (DMC) Production Comparison (2021 & 2025 & 2032)

4.2.2 United States VS China: Battery Grade Dimethyl Carbonate (DMC) Production Market Share Comparison (2021 & 2025 & 2032)

4.3 United States VS China: Battery Grade Dimethyl Carbonate (DMC) Consumption Comparison

4.3.1 United States VS China: Battery Grade Dimethyl Carbonate (DMC) Consumption Comparison (2021 & 2025 & 2032)

4.3.2 United States VS China: Battery Grade Dimethyl Carbonate (DMC) Consumption Market Share Comparison (2021 & 2025 & 2032)

4.4 United States Based Battery Grade Dimethyl Carbonate (DMC) Manufacturers and Market Share, 2021-2026

4.4.1 United States Based Battery Grade Dimethyl Carbonate (DMC) Manufacturers, Headquarters and Production Site (States, Country)

4.4.2 United States Based Manufacturers Battery Grade Dimethyl Carbonate (DMC) Production Value (2021-2026)

4.4.3 United States Based Manufacturers Battery Grade Dimethyl Carbonate (DMC) Production (2021-2026)

4.5 China Based Battery Grade Dimethyl Carbonate (DMC) Manufacturers and Market Share

4.5.1 China Based Battery Grade Dimethyl Carbonate (DMC) Manufacturers, Headquarters and Production Site (Province, Country)

4.5.2 China Based Manufacturers Battery Grade Dimethyl Carbonate (DMC) Production Value (2021-2026)

4.5.3 China Based Manufacturers Battery Grade Dimethyl Carbonate (DMC) Production (2021-2026)

4.6 Rest of World Based Battery Grade Dimethyl Carbonate (DMC) Manufacturers and Market Share, 2021-2026

4.6.1 Rest of World Based Battery Grade Dimethyl Carbonate (DMC) Manufacturers, Headquarters and Production Site (State, Country)

4.6.2 Rest of World Based Manufacturers Battery Grade Dimethyl Carbonate (DMC) Production Value (2021-2026)

4.6.3 Rest of World Based Manufacturers Battery Grade Dimethyl Carbonate (DMC)

Production (2021-2026)

## **5 MARKET ANALYSIS BY TYPE**

5.1 World Battery Grade Dimethyl Carbonate (DMC) Market Size Overview by Type:  
2021 VS 2025 VS 2032

5.2 Segment Introduction by Type

5.2.1 99%

5.2.2 99.9%

5.2.3 Others

5.3 Market Segment by Type

5.3.1 World Battery Grade Dimethyl Carbonate (DMC) Production by Type  
(2021-2032)

5.3.2 World Battery Grade Dimethyl Carbonate (DMC) Production Value by Type  
(2021-2032)

5.3.3 World Battery Grade Dimethyl Carbonate (DMC) Average Price by Type  
(2021-2032)

## **6 MARKET ANALYSIS BY TECHNOLOGY**

6.1 World Battery Grade Dimethyl Carbonate (DMC) Market Size Overview by  
Technology: 2021 VS 2025 VS 2032

6.2 Segment Introduction by Technology

6.2.1 Transesterification

6.2.2 Oxidative Carbonylation

6.2.3 Urea Alcohololysis

6.3 Market Segment by Technology

6.3.1 World Battery Grade Dimethyl Carbonate (DMC) Production by Technology  
(2021-2032)

6.3.2 World Battery Grade Dimethyl Carbonate (DMC) Production Value by  
Technology (2021-2032)

6.3.3 World Battery Grade Dimethyl Carbonate (DMC) Average Price by Technology  
(2021-2032)

## **7 MARKET ANALYSIS BY FUNCTIONAL CATEGORY**

7.1 World Battery Grade Dimethyl Carbonate (DMC) Market Size Overview by  
Functional Category: 2021 VS 2025 VS 2032

7.2 Segment Introduction by Functional Category

7.2.1 Electrolyte Solvent

7.2.2 Polycarbonate Synthesis

7.2.3 Green Solvent

7.3 Market Segment by Functional Category

7.3.1 World Battery Grade Dimethyl Carbonate (DMC) Production by Functional Category (2021-2032)

7.3.2 World Battery Grade Dimethyl Carbonate (DMC) Production Value by Functional Category (2021-2032)

7.3.3 World Battery Grade Dimethyl Carbonate (DMC) Average Price by Functional Category (2021-2032)

## **8 MARKET ANALYSIS BY APPLICATION**

8.1 World Battery Grade Dimethyl Carbonate (DMC) Market Size Overview by Application: 2021 VS 2025 VS 2032

8.2 Segment Introduction by Application

8.2.1 Power Backups/UPS

8.2.2 Consumer Electronic

8.2.3 Electric Mobility/Vehicles

8.2.4 Energy Storage Systems

8.2.5 Others

8.3 Market Segment by Application

8.3.1 World Battery Grade Dimethyl Carbonate (DMC) Production by Application (2021-2032)

8.3.2 World Battery Grade Dimethyl Carbonate (DMC) Production Value by Application (2021-2032)

8.3.3 World Battery Grade Dimethyl Carbonate (DMC) Average Price by Application (2021-2032)

## **9 COMPANY PROFILES**

9.1 Shandong Shida Shenghua

9.1.1 Shandong Shida Shenghua Details

9.1.2 Shandong Shida Shenghua Major Business

9.1.3 Shandong Shida Shenghua Battery Grade Dimethyl Carbonate (DMC) Product and Services

9.1.4 Shandong Shida Shenghua Battery Grade Dimethyl Carbonate (DMC) Production, Price, Value, Gross Margin and Market Share (2021-2026)

9.1.5 Shandong Shida Shenghua Recent Developments/Updates

- 9.1.6 Shandong Shida Shenghua Competitive Strengths & Weaknesses
- 9.2 Haike Group
  - 9.2.1 Haike Group Details
  - 9.2.2 Haike Group Major Business
  - 9.2.3 Haike Group Battery Grade Dimethyl Carbonate (DMC) Product and Services
  - 9.2.4 Haike Group Battery Grade Dimethyl Carbonate (DMC) Production, Price, Value, Gross Margin and Market Share (2021-2026)
  - 9.2.5 Haike Group Recent Developments/Updates
  - 9.2.6 Haike Group Competitive Strengths & Weaknesses
- 9.3 Ube Industries
  - 9.3.1 Ube Industries Details
  - 9.3.2 Ube Industries Major Business
  - 9.3.3 Ube Industries Battery Grade Dimethyl Carbonate (DMC) Product and Services
  - 9.3.4 Ube Industries Battery Grade Dimethyl Carbonate (DMC) Production, Price, Value, Gross Margin and Market Share (2021-2026)
  - 9.3.5 Ube Industries Recent Developments/Updates
  - 9.3.6 Ube Industries Competitive Strengths & Weaknesses
- 9.4 Fushun Dongke Fine Chemical
  - 9.4.1 Fushun Dongke Fine Chemical Details
  - 9.4.2 Fushun Dongke Fine Chemical Major Business
  - 9.4.3 Fushun Dongke Fine Chemical Battery Grade Dimethyl Carbonate (DMC) Product and Services
  - 9.4.4 Fushun Dongke Fine Chemical Battery Grade Dimethyl Carbonate (DMC) Production, Price, Value, Gross Margin and Market Share (2021-2026)
  - 9.4.5 Fushun Dongke Fine Chemical Recent Developments/Updates
  - 9.4.6 Fushun Dongke Fine Chemical Competitive Strengths & Weaknesses
- 9.5 Tongling Jintai Chemical Industrial
  - 9.5.1 Tongling Jintai Chemical Industrial Details
  - 9.5.2 Tongling Jintai Chemical Industrial Major Business
  - 9.5.3 Tongling Jintai Chemical Industrial Battery Grade Dimethyl Carbonate (DMC) Product and Services
  - 9.5.4 Tongling Jintai Chemical Industrial Battery Grade Dimethyl Carbonate (DMC) Production, Price, Value, Gross Margin and Market Share (2021-2026)
  - 9.5.5 Tongling Jintai Chemical Industrial Recent Developments/Updates
  - 9.5.6 Tongling Jintai Chemical Industrial Competitive Strengths & Weaknesses
- 9.6 Mitsui Fine Chemicals
  - 9.6.1 Mitsui Fine Chemicals Details
  - 9.6.2 Mitsui Fine Chemicals Major Business
  - 9.6.3 Mitsui Fine Chemicals Battery Grade Dimethyl Carbonate (DMC) Product and

## Services

9.6.4 Mitsui Fine Chemicals Battery Grade Dimethyl Carbonate (DMC) Production, Price, Value, Gross Margin and Market Share (2021-2026)

9.6.5 Mitsui Fine Chemicals Recent Developments/Updates

9.6.6 Mitsui Fine Chemicals Competitive Strengths & Weaknesses

## 9.7 Dongyue Chem Group

9.7.1 Dongyue Chem Group Details

9.7.2 Dongyue Chem Group Major Business

9.7.3 Dongyue Chem Group Battery Grade Dimethyl Carbonate (DMC) Product and Services

9.7.4 Dongyue Chem Group Battery Grade Dimethyl Carbonate (DMC) Production, Price, Value, Gross Margin and Market Share (2021-2026)

9.7.5 Dongyue Chem Group Recent Developments/Updates

9.7.6 Dongyue Chem Group Competitive Strengths & Weaknesses

## 10 INDUSTRY CHAIN ANALYSIS

10.1 Battery Grade Dimethyl Carbonate (DMC) Industry Chain

10.2 Battery Grade Dimethyl Carbonate (DMC) Upstream Analysis

10.2.1 Battery Grade Dimethyl Carbonate (DMC) Core Raw Materials

10.2.2 Main Manufacturers of Battery Grade Dimethyl Carbonate (DMC) Core Raw Materials

10.3 Midstream Analysis

10.4 Downstream Analysis

10.5 Battery Grade Dimethyl Carbonate (DMC) Production Mode

10.6 Battery Grade Dimethyl Carbonate (DMC) Procurement Model

10.7 Battery Grade Dimethyl Carbonate (DMC) Industry Sales Model and Sales Channels

10.7.1 Battery Grade Dimethyl Carbonate (DMC) Sales Model

10.7.2 Battery Grade Dimethyl Carbonate (DMC) Typical Distributors

## 11 RESEARCH FINDINGS AND CONCLUSION

## 12 APPENDIX

12.1 Methodology

12.2 Research Process and Data Source

12.3 Disclaimer



## List Of Tables

### LIST OF TABLES

Table 1. World Battery Grade Dimethyl Carbonate (DMC) Production Value by Region (2021, 2025 and 2032) & (USD Million)

Table 2. World Battery Grade Dimethyl Carbonate (DMC) Production Value by Region (2021-2026) & (USD Million)

Table 3. World Battery Grade Dimethyl Carbonate (DMC) Production Value by Region (2027-2032) & (USD Million)

Table 4. World Battery Grade Dimethyl Carbonate (DMC) Production Value Market Share by Region (2021-2026)

Table 5. World Battery Grade Dimethyl Carbonate (DMC) Production Value Market Share by Region (2027-2032)

Table 6. World Battery Grade Dimethyl Carbonate (DMC) Production by Region (2021-2026) & (Tons)

Table 7. World Battery Grade Dimethyl Carbonate (DMC) Production by Region (2027-2032) & (Tons)

Table 8. World Battery Grade Dimethyl Carbonate (DMC) Production Market Share by Region (2021-2026)

Table 9. World Battery Grade Dimethyl Carbonate (DMC) Production Market Share by Region (2027-2032)

Table 10. World Battery Grade Dimethyl Carbonate (DMC) Average Price by Region (2021-2026) & (US\$/Ton)

Table 11. World Battery Grade Dimethyl Carbonate (DMC) Average Price by Region (2027-2032) & (US\$/Ton)

Table 12. Battery Grade Dimethyl Carbonate (DMC) Major Market Trends

Table 13. World Battery Grade Dimethyl Carbonate (DMC) Consumption Growth Rate Forecast by Region (2021 & 2025 & 2032) & (Tons)

Table 14. World Battery Grade Dimethyl Carbonate (DMC) Consumption by Region (2021-2026) & (Tons)

Table 15. World Battery Grade Dimethyl Carbonate (DMC) Consumption Forecast by Region (2027-2032) & (Tons)

Table 16. World Battery Grade Dimethyl Carbonate (DMC) Production Value by Manufacturer (2021-2026) & (USD Million)

Table 17. Production Value Market Share of Key Battery Grade Dimethyl Carbonate (DMC) Producers in 2025

Table 18. World Battery Grade Dimethyl Carbonate (DMC) Production by Manufacturer (2021-2026) & (Tons)

Table 19. Production Market Share of Key Battery Grade Dimethyl Carbonate (DMC) Producers in 2025

Table 20. World Battery Grade Dimethyl Carbonate (DMC) Average Price by Manufacturer (2021-2026) & (US\$/Ton)

Table 21. Global Battery Grade Dimethyl Carbonate (DMC) Company Evaluation Quadrant

Table 22. World Battery Grade Dimethyl Carbonate (DMC) Industry Rank of Major Manufacturers, Based on Production Value in 2025

Table 23. Head Office and Battery Grade Dimethyl Carbonate (DMC) Production Site of Key Manufacturer

Table 24. Battery Grade Dimethyl Carbonate (DMC) Market: Company Product Type Footprint

Table 25. Battery Grade Dimethyl Carbonate (DMC) Market: Company Product Application Footprint

Table 26. Battery Grade Dimethyl Carbonate (DMC) Competitive Factors

Table 27. Battery Grade Dimethyl Carbonate (DMC) New Entrant and Capacity Expansion Plans

Table 28. Battery Grade Dimethyl Carbonate (DMC) Mergers & Acquisitions Activity

Table 29. United States VS China Battery Grade Dimethyl Carbonate (DMC) Production Value Comparison, (2021 & 2025 & 2032) & (USD Million)

Table 30. United States VS China Battery Grade Dimethyl Carbonate (DMC) Production Comparison, (2021 & 2025 & 2032) & (Tons)

Table 31. United States VS China Battery Grade Dimethyl Carbonate (DMC) Consumption Comparison, (2021 & 2025 & 2032) & (Tons)

Table 32. United States Based Battery Grade Dimethyl Carbonate (DMC) Manufacturers, Headquarters and Production Site (States, Country)

Table 33. United States Based Manufacturers Battery Grade Dimethyl Carbonate (DMC) Production Value, (2021-2026) & (USD Million)

Table 34. United States Based Manufacturers Battery Grade Dimethyl Carbonate (DMC) Production Value Market Share (2021-2026)

Table 35. United States Based Manufacturers Battery Grade Dimethyl Carbonate (DMC) Production (2021-2026) & (Tons)

Table 36. United States Based Manufacturers Battery Grade Dimethyl Carbonate (DMC) Production Market Share (2021-2026)

Table 37. China Based Battery Grade Dimethyl Carbonate (DMC) Manufacturers, Headquarters and Production Site (Province, Country)

Table 38. China Based Manufacturers Battery Grade Dimethyl Carbonate (DMC) Production Value, (2021-2026) & (USD Million)

Table 39. China Based Manufacturers Battery Grade Dimethyl Carbonate (DMC)

Production Value Market Share (2021-2026)

Table 40. China Based Manufacturers Battery Grade Dimethyl Carbonate (DMC) Production, (2021-2026) & (Tons)

Table 41. China Based Manufacturers Battery Grade Dimethyl Carbonate (DMC) Production Market Share (2021-2026)

Table 42. Rest of World Based Battery Grade Dimethyl Carbonate (DMC) Manufacturers, Headquarters and Production Site (State, Country)

Table 43. Rest of World Based Manufacturers Battery Grade Dimethyl Carbonate (DMC) Production Value, (2021-2026) & (USD Million)

Table 44. Rest of World Based Manufacturers Battery Grade Dimethyl Carbonate (DMC) Production Value Market Share (2021-2026)

Table 45. Rest of World Based Manufacturers Battery Grade Dimethyl Carbonate (DMC) Production, (2021-2026) & (Tons)

Table 46. Rest of World Based Manufacturers Battery Grade Dimethyl Carbonate (DMC) Production Market Share (2021-2026)

Table 47. World Battery Grade Dimethyl Carbonate (DMC) Production Value by Type, (USD Million), 2021 & 2025 & 2032

Table 48. World Battery Grade Dimethyl Carbonate (DMC) Production by Type (2021-2026) & (Tons)

Table 49. World Battery Grade Dimethyl Carbonate (DMC) Production by Type (2027-2032) & (Tons)

Table 50. World Battery Grade Dimethyl Carbonate (DMC) Production Value by Type (2021-2026) & (USD Million)

Table 51. World Battery Grade Dimethyl Carbonate (DMC) Production Value by Type (2027-2032) & (USD Million)

Table 52. World Battery Grade Dimethyl Carbonate (DMC) Average Price by Type (2021-2026) & (US\$/Ton)

Table 53. World Battery Grade Dimethyl Carbonate (DMC) Average Price by Type (2027-2032) & (US\$/Ton)

Table 54. World Battery Grade Dimethyl Carbonate (DMC) Production Value by Technology, (USD Million), 2021 & 2025 & 2032

Table 55. World Battery Grade Dimethyl Carbonate (DMC) Production by Technology (2021-2026) & (Tons)

Table 56. World Battery Grade Dimethyl Carbonate (DMC) Production by Technology (2027-2032) & (Tons)

Table 57. World Battery Grade Dimethyl Carbonate (DMC) Production Value by Technology (2021-2026) & (USD Million)

Table 58. World Battery Grade Dimethyl Carbonate (DMC) Production Value by Technology (2027-2032) & (USD Million)

- Table 59. World Battery Grade Dimethyl Carbonate (DMC) Average Price by Technology (2021-2026) & (US\$/Ton)
- Table 60. World Battery Grade Dimethyl Carbonate (DMC) Average Price by Technology (2027-2032) & (US\$/Ton)
- Table 61. World Battery Grade Dimethyl Carbonate (DMC) Production Value by Functional Category, (USD Million), 2021 & 2025 & 2032
- Table 62. World Battery Grade Dimethyl Carbonate (DMC) Production by Functional Category (2021-2026) & (Tons)
- Table 63. World Battery Grade Dimethyl Carbonate (DMC) Production by Functional Category (2027-2032) & (Tons)
- Table 64. World Battery Grade Dimethyl Carbonate (DMC) Production Value by Functional Category (2021-2026) & (USD Million)
- Table 65. World Battery Grade Dimethyl Carbonate (DMC) Production Value by Functional Category (2027-2032) & (USD Million)
- Table 66. World Battery Grade Dimethyl Carbonate (DMC) Average Price by Functional Category (2021-2026) & (US\$/Ton)
- Table 67. World Battery Grade Dimethyl Carbonate (DMC) Average Price by Functional Category (2027-2032) & (US\$/Ton)
- Table 68. World Battery Grade Dimethyl Carbonate (DMC) Production Value by Application, (USD Million), 2021 & 2025 & 2032
- Table 69. World Battery Grade Dimethyl Carbonate (DMC) Production by Application (2021-2026) & (Tons)
- Table 70. World Battery Grade Dimethyl Carbonate (DMC) Production by Application (2027-2032) & (Tons)
- Table 71. World Battery Grade Dimethyl Carbonate (DMC) Production Value by Application (2021-2026) & (USD Million)
- Table 72. World Battery Grade Dimethyl Carbonate (DMC) Production Value by Application (2027-2032) & (USD Million)
- Table 73. World Battery Grade Dimethyl Carbonate (DMC) Average Price by Application (2021-2026) & (US\$/Ton)
- Table 74. World Battery Grade Dimethyl Carbonate (DMC) Average Price by Application (2027-2032) & (US\$/Ton)
- Table 75. Shandong Shida Shenghua Basic Information, Manufacturing Base and Competitors
- Table 76. Shandong Shida Shenghua Major Business
- Table 77. Shandong Shida Shenghua Battery Grade Dimethyl Carbonate (DMC) Product and Services
- Table 78. Shandong Shida Shenghua Battery Grade Dimethyl Carbonate (DMC) Production (Tons), Price (US\$/Ton), Production Value (USD Million), Gross Margin and

## Market Share (2021-2026)

Table 79. Shandong Shida Shenghua Recent Developments/Updates

Table 80. Shandong Shida Shenghua Competitive Strengths &amp; Weaknesses

Table 81. Haike Group Basic Information, Manufacturing Base and Competitors

Table 82. Haike Group Major Business

Table 83. Haike Group Battery Grade Dimethyl Carbonate (DMC) Product and Services

Table 84. Haike Group Battery Grade Dimethyl Carbonate (DMC) Production (Tons), Price (US\$/Ton), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 85. Haike Group Recent Developments/Updates

Table 86. Haike Group Competitive Strengths &amp; Weaknesses

Table 87. Ube Industries Basic Information, Manufacturing Base and Competitors

Table 88. Ube Industries Major Business

Table 89. Ube Industries Battery Grade Dimethyl Carbonate (DMC) Product and Services

Table 90. Ube Industries Battery Grade Dimethyl Carbonate (DMC) Production (Tons), Price (US\$/Ton), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 91. Ube Industries Recent Developments/Updates

Table 92. Ube Industries Competitive Strengths &amp; Weaknesses

Table 93. Fushun Dongke Fine Chemical Basic Information, Manufacturing Base and Competitors

Table 94. Fushun Dongke Fine Chemical Major Business

Table 95. Fushun Dongke Fine Chemical Battery Grade Dimethyl Carbonate (DMC) Product and Services

Table 96. Fushun Dongke Fine Chemical Battery Grade Dimethyl Carbonate (DMC) Production (Tons), Price (US\$/Ton), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 97. Fushun Dongke Fine Chemical Recent Developments/Updates

Table 98. Fushun Dongke Fine Chemical Competitive Strengths &amp; Weaknesses

Table 99. Tongling Jintai Chemical Industrial Basic Information, Manufacturing Base and Competitors

Table 100. Tongling Jintai Chemical Industrial Major Business

Table 101. Tongling Jintai Chemical Industrial Battery Grade Dimethyl Carbonate (DMC) Product and Services

Table 102. Tongling Jintai Chemical Industrial Battery Grade Dimethyl Carbonate (DMC) Production (Tons), Price (US\$/Ton), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 103. Tongling Jintai Chemical Industrial Recent Developments/Updates

Table 104. Tongling Jintai Chemical Industrial Competitive Strengths & Weaknesses

Table 105. Mitsui Fine Chemicals Basic Information, Manufacturing Base and Competitors

Table 106. Mitsui Fine Chemicals Major Business

Table 107. Mitsui Fine Chemicals Battery Grade Dimethyl Carbonate (DMC) Product and Services

Table 108. Mitsui Fine Chemicals Battery Grade Dimethyl Carbonate (DMC) Production (Tons), Price (US\$/Ton), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 109. Mitsui Fine Chemicals Recent Developments/Updates

Table 110. Mitsui Fine Chemicals Competitive Strengths & Weaknesses

Table 111. Dongyue Chem Group Basic Information, Manufacturing Base and Competitors

Table 112. Dongyue Chem Group Major Business

Table 113. Dongyue Chem Group Battery Grade Dimethyl Carbonate (DMC) Product and Services

Table 114. Dongyue Chem Group Battery Grade Dimethyl Carbonate (DMC) Production (Tons), Price (US\$/Ton), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 115. Dongyue Chem Group Recent Developments/Updates

Table 116. Dongyue Chem Group Competitive Strengths & Weaknesses

Table 117. Global Key Players of Battery Grade Dimethyl Carbonate (DMC) Upstream (Raw Materials)

Table 118. Global Battery Grade Dimethyl Carbonate (DMC) Typical Customers

Table 119. Battery Grade Dimethyl Carbonate (DMC) Typical Distributors

## List Of Figures

### LIST OF FIGURES

Figure 1. Battery Grade Dimethyl Carbonate (DMC) Picture

Figure 2. World Battery Grade Dimethyl Carbonate (DMC) Production Value: 2021 & 2025 & 2032, (USD Million)

Figure 3. World Battery Grade Dimethyl Carbonate (DMC) Production Value and Forecast (2021-2032) & (USD Million)

Figure 4. World Battery Grade Dimethyl Carbonate (DMC) Production (2021-2032) & (Tons)

Figure 5. World Battery Grade Dimethyl Carbonate (DMC) Average Price (2021-2032) & (US\$/Ton)

Figure 6. World Battery Grade Dimethyl Carbonate (DMC) Production Value Market Share by Region (2021-2032)

Figure 7. World Battery Grade Dimethyl Carbonate (DMC) Production Market Share by Region (2021-2032)

Figure 8. North America Battery Grade Dimethyl Carbonate (DMC) Production (2021-2032) & (Tons)

Figure 9. Europe Battery Grade Dimethyl Carbonate (DMC) Production (2021-2032) & (Tons)

Figure 10. China Battery Grade Dimethyl Carbonate (DMC) Production (2021-2032) & (Tons)

Figure 11. Japan Battery Grade Dimethyl Carbonate (DMC) Production (2021-2032) & (Tons)

Figure 12. Battery Grade Dimethyl Carbonate (DMC) Market Drivers

Figure 13. Factors Affecting Demand

Figure 14. World Battery Grade Dimethyl Carbonate (DMC) Consumption (2021-2032) & (Tons)

Figure 15. World Battery Grade Dimethyl Carbonate (DMC) Consumption Market Share by Region (2021-2032)

Figure 16. United States Battery Grade Dimethyl Carbonate (DMC) Consumption (2021-2032) & (Tons)

Figure 17. China Battery Grade Dimethyl Carbonate (DMC) Consumption (2021-2032) & (Tons)

Figure 18. Europe Battery Grade Dimethyl Carbonate (DMC) Consumption (2021-2032) & (Tons)

Figure 19. Japan Battery Grade Dimethyl Carbonate (DMC) Consumption (2021-2032) & (Tons)

Figure 20. South Korea Battery Grade Dimethyl Carbonate (DMC) Consumption (2021-2032) & (Tons)

Figure 21. ASEAN Battery Grade Dimethyl Carbonate (DMC) Consumption (2021-2032) & (Tons)

Figure 22. India Battery Grade Dimethyl Carbonate (DMC) Consumption (2021-2032) & (Tons)

Figure 23. Producer Shipments of Battery Grade Dimethyl Carbonate (DMC) by Manufacturer Revenue (\$MM) and Market Share (%): 2025

Figure 24. Global Four-firm Concentration Ratios (CR4) for Battery Grade Dimethyl Carbonate (DMC) Markets in 2025

Figure 25. Global Four-firm Concentration Ratios (CR8) for Battery Grade Dimethyl Carbonate (DMC) Markets in 2025

Figure 26. United States VS China: Battery Grade Dimethyl Carbonate (DMC) Production Value Market Share Comparison (2021 & 2025 & 2032)

Figure 27. United States VS China: Battery Grade Dimethyl Carbonate (DMC) Production Market Share Comparison (2021 & 2025 & 2032)

Figure 28. United States VS China: Battery Grade Dimethyl Carbonate (DMC) Consumption Market Share Comparison (2021 & 2025 & 2032)

Figure 29. United States Based Manufacturers Battery Grade Dimethyl Carbonate (DMC) Production Market Share 2025

Figure 30. China Based Manufacturers Battery Grade Dimethyl Carbonate (DMC) Production Market Share 2025

Figure 31. Rest of World Based Manufacturers Battery Grade Dimethyl Carbonate (DMC) Production Market Share 2025

Figure 32. World Battery Grade Dimethyl Carbonate (DMC) Production Value by Type, (USD Million), 2021 & 2025 & 2032

Figure 33. World Battery Grade Dimethyl Carbonate (DMC) Production Value Market Share by Type in 2025

Figure 34. 99%

Figure 35. 99.9%

Figure 36. Others

Figure 37. World Battery Grade Dimethyl Carbonate (DMC) Production Market Share by Type (2021-2032)

Figure 38. World Battery Grade Dimethyl Carbonate (DMC) Production Value Market Share by Type (2021-2032)

Figure 39. World Battery Grade Dimethyl Carbonate (DMC) Average Price by Type (2021-2032) & (US\$/Ton)

Figure 40. World Battery Grade Dimethyl Carbonate (DMC) Production Value by Technology, (USD Million), 2021 & 2025 & 2032

Figure 41. World Battery Grade Dimethyl Carbonate (DMC) Production Value Market Share by Technology in 2025

Figure 42. Transesterification

Figure 43. Oxidative Carbonylation

Figure 44. Urea Alcohololysis

Figure 45. World Battery Grade Dimethyl Carbonate (DMC) Production Market Share by Technology (2021-2032)

Figure 46. World Battery Grade Dimethyl Carbonate (DMC) Production Value Market Share by Technology (2021-2032)

Figure 47. World Battery Grade Dimethyl Carbonate (DMC) Average Price by Technology (2021-2032) & (US\$/Ton)

Figure 48. World Battery Grade Dimethyl Carbonate (DMC) Production Value by Functional Category, (USD Million), 2021 & 2025 & 2032

Figure 49. World Battery Grade Dimethyl Carbonate (DMC) Production Value Market Share by Functional Category in 2025

Figure 50. Electrolyte Solvent

Figure 51. Polycarbonate Synthesis

Figure 52. Green Solvent

Figure 53. World Battery Grade Dimethyl Carbonate (DMC) Production Market Share by Functional Category (2021-2032)

Figure 54. World Battery Grade Dimethyl Carbonate (DMC) Production Value Market Share by Functional Category (2021-2032)

Figure 55. World Battery Grade Dimethyl Carbonate (DMC) Average Price by Functional Category (2021-2032) & (US\$/Ton)

Figure 56. World Battery Grade Dimethyl Carbonate (DMC) Production Value by Application, (USD Million), 2021 & 2025 & 2032

Figure 57. World Battery Grade Dimethyl Carbonate (DMC) Production Value Market Share by Application in 2025

Figure 58. Power Backups/UPS

Figure 59. Consumer Electronic

Figure 60. Electric Mobility/Vehicles

Figure 61. Energy Storage Systems

Figure 62. Others

Figure 63. World Battery Grade Dimethyl Carbonate (DMC) Production Market Share by Application (2021-2032)

Figure 64. World Battery Grade Dimethyl Carbonate (DMC) Production Value Market Share by Application (2021-2032)

Figure 65. World Battery Grade Dimethyl Carbonate (DMC) Average Price by Application (2021-2032) & (US\$/Ton)

Figure 66. Battery Grade Dimethyl Carbonate (DMC) Industry Chain

Figure 67. Battery Grade Dimethyl Carbonate (DMC) Procurement Model

Figure 68. Battery Grade Dimethyl Carbonate (DMC) Sales Model

Figure 69. Battery Grade Dimethyl Carbonate (DMC) Sales Channels, Direct Sales, and Distribution

Figure 70. Methodology

Figure 71. Research Process and Data Source

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