

# **Global Lithium-Ion Battery Solvent Market Size Study by Type (Ethylene Carbonate, Propylene Carbonate), by End Use (EV, Consumer Electronics, Energy Storage), and Regional Forecasts 2022-2032**

<https://marketpublishers.com/r/G438FF631822EN.html>

Date: January 2025

Pages: 285

Price: US\$ 4,950.00 (Single User License)

ID: G438FF631822EN

## **Abstracts**

The Global Lithium-Ion Battery Solvent Market, valued at approximately USD 0.45 billion in 2023, is set to witness a transformative growth trajectory, reaching an estimated USD 2.01 billion by 2032, with a remarkable compound annual growth rate (CAGR) of 18.1% over the forecast period. Lithium-ion battery solvents play a pivotal role in enhancing the efficiency and longevity of batteries, driving advancements in key sectors such as electric vehicles (EVs), consumer electronics, and energy storage systems.

The increasing adoption of EVs, fueled by global environmental sustainability goals and supportive government policies, has exponentially boosted the demand for high-performance lithium-ion batteries. Solvents such as ethylene carbonate and propylene carbonate are indispensable in ensuring optimal battery performance, offering superior chemical stability and conductivity. However, challenges including stringent environmental regulations and fluctuating raw material prices pose potential roadblocks to market expansion. Nonetheless, continuous innovations in solvent chemistry and the integration of renewable energy storage solutions present significant growth opportunities.

North America and Europe dominate the market landscape due to extensive adoption of EVs and robust investments in renewable energy. The Asia-Pacific region is poised to register the fastest growth, underpinned by rapid industrialization, expanding energy storage needs, and a flourishing electronics industry in countries such as China, India, and Japan. Latin America and the Middle East & Africa are also witnessing growth,

driven by infrastructure development and energy diversification initiatives.

The competitive landscape is characterized by significant R&D investments, strategic collaborations, and a focus on sustainable production practices. Major market players are committed to addressing evolving industry demands through innovative and eco-friendly solvent solutions.

Major market players included in this report are:

BASF SE

Mitsubishi Chemical Corporation

Ube Industries, Ltd.

Asahi Kasei Corporation

Kureha Corporation

Shandong Shida Shenghua Chemical Group Co., Ltd.

Huntsman Corporation

LG Chem

Shenzhen Capchem Technology Co., Ltd.

Daicel Corporation

Guangzhou Tinci Materials Technology Co., Ltd.

Arkema S.A.

Lotte Chemical Corporation

Solvay S.A.

Samsung SDI

The detailed segments and sub-segments of the market are explained below:

By Type:

Ethylene Carbonate

Propylene Carbonate

By End Use:

EV

Consumer Electronics

Energy Storage

By Region:

North America:

U.S.

Canada

Europe:

UK

Germany

France

Spain

Italy

Rest of Europe

Asia-Pacific:

China

India

Japan

Australia

South Korea

Rest of Asia-Pacific

Latin America:

Brazil

Mexico

Rest of Latin America

Middle East & Africa:

Saudi Arabia

South Africa

Rest of Middle East & Africa

Years considered for the study are as follows:

Historical year – 2022

Base year – 2023

Forecast period – 2024 to 2032

#### Key Takeaways:

Market Estimates & Forecast for 10 years from 2022 to 2032.

Annualized revenues and regional-level analysis for each market segment.

Detailed analysis of the geographical landscape with country-level insights.

Competitive landscape with information on major players.

Analysis of key business strategies and future market opportunities.

Comprehensive demand-side and supply-side insights.

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