+44 20 8123 2220
info@marketpublishers.com

Technology Landscape, Trends and Opportunities in the Global Lithium ion Battery Market

https://marketpublishers.com/r/TAFD66FA5544EN.html
Date: March 2024
Pages: 150
Price: US$ 4,850.00 (Single User License)
ID: TAFD66FA5544EN

Abstracts

Get it in 2 to 4 weeks by ordering today

The technologies in the global lithium ion battery market have undergone significant changes in recent years, with lithium ion technologies evolving from low energy density t%li%high energy densities. The rising wave of new technologies, such as nickel-cobalt-aluminum (NCA) and nickel manganese cobalt (LI-NMC), are creating significant potential in electric vehicle application and driving the demand for lithium ion battery technologies.

In the lithium-ion battery market, various battery technologies, such as lithium nickel manganese cobalt (NMC), lithium iron phosphate (LFP), lithium cobalt oxide (LCO), lithium-titanate-oxide (LTO), lithium manganese oxide (LMO), and lithium nickel cobalt aluminum oxide (NCA), are used in various end use industries. Increasing adoption of electric vehicles due t%li%stringent government regulations t%li%reduce carbon emissions, government incentives t%li%promote electric vehicles, and rising demand for lithium-ion batteries in industrial and power storage application are creating new opportunities for lithium ion battery technologies.

This report analyzes technology maturity, degree of disruption, competitive intensity, market potential, and other parameters of various technologies in the lithium-ion battery market. Some insights are depicted below by a sample figure. For more details on figures, the companies researched, and other objectives/benefits on this research report, please download the report brochure.

The study includes technology readiness, competitive intensity, regulatory compliance, disruption potential, trends, forecast and strategic implications for the global lithium-ion

+44 20 8123 2220
info@marketpublishers.com

battery market by application, technology, and region as follows:

Technology Readiness by Technology Type

Competitive Intensity and Regulatory Compliance

Disruption Potential by Technology Type

Trends and Forecast by Technology Type [$M shipment analysis from 2018 t%li%2030]:

Lithium Cobalt Oxide (LCO)

Lithium Nickel Manganese Cobalt (LI-NMC)

Lithium Nickel Cobalt Aluminum Oxide (NCA)

Lithium Iron Phosphate (LFP)

Lithium Manganese Oxide (LMO) and Others

Trends and Forecast by Application [$M shipment analysis from 2018 t%li%2030]:

Consumer Electronics

LCO

NMC

NCA

Transportation

NMC

NCA

LFP

+44 20 8123 2220
info@marketpublishers.com

LM%li%and Others

Industrial

NMC

NCA

LFP

LM%li%and Others

Others

LCO

NMC

NCA

LFP

LM%li%and Others

Trends and Forecast by Region [$M shipment analysis from 2018 t%li%2030]:

North America

United States

Canada

Mexico

Europe

United Kingdom

+44 20 8123 2220
info@marketpublishers.com

Germany

France

Asia Pacific

China

Japan

South Korea

India

The Rest of the World

Latest Developments and Innovations in the Lithium-ion Battery Technologies

Companies / Ecosystems

Strategic Opportunities by Technology Type

Emerging technology trends, which have a direct impact on the dynamics of the industry, include lithium air batteries, usage of silicon alloy anodes in lithium-ion batteries, and new generation lithium-ion batteries with new families of disruptive active materials. CATL, BYD, Duracell, EnerSys, GS Yuasa, Johnson Controls, LG Chem, and Panasonic Corporation are among the major technology providers in the lithium-ion battery market.

The Lucintel study finds that the total market size of the lithium-ion battery market is anticipated t%li%be $107.7 billion in 2030, and it is forecast t%li%grow at 17.9% from 2024 t%li%2030. Lithium nickel manganese cobalt (LI-NMC) technology is the largest segment of the lithium-ion battery market, and it is expected t%li%witness the highest growth due t%li%its high power density, lowest self-heating rate, and good charge and discharge cycle.

This report answers the following 9 key questions:

+44 20 8123 2220
info@marketpublishers.com

Q.1 What are some of the most promising and high-growth technology opportunities for the lithium-ion battery market?

Q.2 Which technology will grow at a faster pace and why?

Q.3 What are the key factors affecting dynamics of different technologies? What are the drivers and challenges of these technologies in the lithium-ion battery market?

Q.4 What are the levels of technology readiness, competitive intensity, and regulatory compliance in this technology space?

Q.5 What are the business risks and threats t%li%these technologies in the lithium-ion battery market?

Q.6 What are the latest developments in lithium-ion battery technologies? Which companies are leading these developments?

Q.7 Which technologies have potential of disruption in this market?

Q.8 Wh%li%are the major players in this lithium-ion battery market? What strategic initiatives are being implemented by key players for business growth?

Q.9 What are strategic growth opportunities in this lithium-ion battery technology space?

+44 20 8123 2220
info@marketpublishers.com

Contents

+44 20 8123 2220
info@marketpublishers.com

+44 20 8123 2220
info@marketpublishers.com

9. COMPANY PROFILES OF LEADING PLAYERS

+44 20 8123 2220
info@marketpublishers.com

I would like to order

Product name: Technology Landscape, Trends and Opportunities in the Global Lithium ion Battery Market

Product link: https://marketpublishers.com/r/TAFD66FA5544EN.html

Price: US$ 4,850.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:
info@marketpublishers.com

Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page https://marketpublishers.com/r/TAFD66FA5544EN.html

To pay by Wire Transfer, please, fill in your contact details in the form below:

First name:
Last name:
Email:
Company:
Address:
City:
Zip code:
Country:
Tel:
Fax:
Your message:

**All fields are required

Custumer signature _____

Please, note that by ordering from marketpublishers.com you are agreeing to our Terms & Conditions at https://marketpublishers.com/docs/terms.html

To place an order via fax simply print this form, fill in the information below and fax the completed form to +44 20 7900 3970

+44 20 8123 2220
info@marketpublishers.com