

North America Lithium-ion Battery Market Report by Product Type (Lithium Cobalt Oxide, Lithium Iron Phosphate, Lithium Nickel Manganese Cobalt, Lithium Manganese Oxide, and Others), Power Capacity (0 to 3000mAh, 3000mAh to 10000mAh, 10000mAh to 60000mAh, More than 60000mAh), Application (Consumer Electronics, Electric Vehicles, Energy Storage, and Others), and Country 2024-2032

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Abstracts

The North America lithium-ion battery market size reached US\$ 18.0 Billion in 2023. Looking forward, IMARC Group expects the market to reach US\$ 47.4 Billion by 2032, exhibiting a growth rate (CAGR) of 11.1% during 2024-2032.

Lithium-ion, or Li-ion, batteries can be defined as rechargeable batteries with a high energy density. A typical lithium-ion battery is capable of storing 150 watt-hours of electricity in 1 kilogram of battery. These batteries do not have a memory effect owing to which they are not required to be discharged prior to recharging. These low maintenance batteries are ideal for modern fuel gauge applications as their self-discharge is much lower than that of nickel-cadmium batteries. Besides this, Li-ion batteries can be used for a variety of applications ranging from automobiles to power sources for mobile devices and personal computers.

The North America lithium-ion battery market is currently being driven by several factors. The region is experiencing a mounting demand for electric and hybrid vehicles, which employ lithium-ion batteries. Moreover, the escalating sales of consumer

electronics in the region have also catalyzed the demand for these batteries. Apart from this, the need for lithium-ion batteries is stimulated based on their excess power storage capacity, which is beneficial during peak hours of electricity demand. In addition to this, rapid growth in renewable energy production in the region, especially wind and solar energy, has also induced the need for grid energy storage. Furthermore, consumers have started relying on electronic gadgets, such as tablets, laptops and smartphones, for communication and other daily activities. As these devices mostly run on lithium-ion batteries, the demand is being escalated at a rapid pace in the region.

Key Market Segmentation:

IMARC Group provides an analysis of the key trends in each sub-segment of the North America lithium-ion battery market report, along with forecasts at the regional and country level from 2024-2032. Our report has categorized the market based on product type, power capacity and application.

Key Regions Analysed

United States

Canada

Mexico

Analysis for Each Country

Market by Product Type

Lithium Cobalt Oxide

Lithium Iron Phosphate

Lithium Nickel Manganese Cobalt

Lithium Manganese Oxide

Others

Market by Power Capacity

0 to 3000mAh

3000mAh to 10000mAh

10000mAh to 60000mAh

More than 60000mAh

Market by Application

Consumer Electronics

Electric Vehicles

Energy Storage

Others

Value Chain Analysis
Key Drivers and Challenges
Porters Five Forces Analysis
PESTEL Analysis
Government Regulations
Competitive Landscape
Competitive Structure
Key Player Profiles

Key Questions Answered in This Report:

How has the North America lithium-ion battery market performed so far and how will it perform in the coming years?

What has been the impact of COVID-19 on the North America lithium-ion battery market?

What are the key regions in the North America lithium-ion battery market?

What is the breakup of the North America lithium-ion battery market on the basis of product type?

What is the breakup of the North America lithium-ion battery market on the basis of power capacity?

What is the breakup of the North America lithium-ion battery market on the basis of application?

What are the various stages in the value chain of the North America lithium-ion battery industry?

What are the key driving factors and challenges in the North America lithium-ion battery industry?

What is the structure of the North America lithium-ion battery industry and who are the key players?

What is the degree of competition in the North America lithium-ion battery industry?

What are the profit margins in the North America lithium-ion battery industry?

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