

North America Rechargeable Poly Lithium-Ion Battery Market By Structure (Cylindrical and Prismatic), By Application (Electric Vehicles, Industrial, Power, Consumer Electronic and Others), By Country, Industry Analysis and Forecast, 2020 - 2026

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Abstracts

The North America Rechargeable Poly Lithium-Ion Battery Market would witness market growth of 6.7% CAGR during the forecast period (2020-2026).

Lithium-ion polymer battery is a type of rechargeable battery that consists of lithium-ion technology in a compact pouch format. The lithium ions change negative electrodes to positive electrodes as and when the battery is being used and vice-versa when the battery is plugged for charging. The batteries are light in weight as it is the package in a pouch format. They are mainly used in consumer electronics goods such as electric vehicles, laptops, hybrid electric vehicles, and digital cameras. The compact and small size of the battery and its effectiveness when compared to conventional counterparts has resulted in an increase in the demand for the product and market penetration. Lithium metal is intrinsically unstable during charging; this has resulted in shifting the research focus from metal to non-metallic lithium ions.

The energy efficacy of the non-metallic lithium-ion is double to that of cadmium-nickel. One of the major advantages of using lithium-ion batteries is its low need for maintenance as compared to other chemistries. The self-discharge is also not less as compared to nickel-cadmium batteries. The lithium-ion cells can be prismatic or cylindrical battery kind of battery. Electric vehicles that use these batteries have expanded attention as there is an increase in the need for energy production and eco-friendly products. The inclination of the consumer is rising for such batteries, and thereby, there is a rise in the sales of lithium battery vehicles is anticipated to boost the

global batteries market. Kodak has recently introduced a product called Promaster PLI-12B, which is a very lightweight battery with a capacity of about 1300 mAh.

Based on Structure, the market is segmented into Cylindrical and Prismatic. Based on Application, the market is segmented into Electric Vehicles, Industrial, Power, Consumer Electronic and Others. Based on countries, the market is segmented into U.S., Mexico, Canada, and Rest of North America.

The market research report covers the analysis of key stake holders of the market. Key companies profiled in the report include Samsung Electronics Co., Ltd. (Samsung Group) (Samsung SDI Co., Ltd.), 3M Company, Koninklijke Philips N.V., Motorola Solutions, Inc., Toshiba Corporation, Fujifilm Holdings Corporation, Olympus Corporation, Nikon Corporation, Sony Corporation, and LiPol Battery Co., Ltd.

Scope of the Study

Market Segmentation:

By Structure

Cylindrical

Prismatic

By Application

Electric Vehicles

Industrial

Power

Consumer Electronic

Others

By Country

US

Canada

Mexico

Rest of North America

Companies Profiled

Samsung Electronics Co., Ltd. (Samsung Group) (Samsung SDI Co., Ltd.)

3M Company

Koninklijke Philips N.V.

Motorola Solutions, Inc.

Toshiba Corporation

Fujifilm Holdings Corporation

Olympus Corporation

Nikon Corporation

Sony Corporation

LiPol Battery Co., Ltd.

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