

Technology Landscape, Trends and Opportunities in the Global Medical Battery Market

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Abstracts

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The technologies in medical battery have undergone significant change in recent years, with zinc/mercury to lithium-ion based batteries. The rising waves of new material technologies such as lithium and zinc air are creating significant potential for advanced battery in various medical platforms because they offer the highest specific energy (energy per unit weight) and energy density (energy per unit volume)..

In medical battery market, various material technologies such as lithium, lead acid, and zinc air are used in the patient monitoring device, general medical device, cardiovascular medical device, orthopedic device, and home healthcare devices. Increasing demand for battery powered portable and implantable devices in diagnostic and therapeutic practices are creating new opportunities for various medical battery technologies.

This report analyzes technology maturity, degree of disruption, competitive intensity, market potential, and other parameters of various technologies in the medical 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, forecasts and strategic implications for the global medical battery technology by application, material technology, and region as follows:

Technology Readiness by Material Technology

Competitive Intensity and Regulatory Compliance

Disruption Potential by Material Technology

Trends and Forecasts by Material Technology [\$M shipment analysis from 2018 to 2030]:

Lithium Based

Lead Acid Based

Zinc Air Based

Technology Trends and Forecasts by Application [\$M shipment analysis from 2018 to 2030]:

Patient Monitoring Device

Lithium Based

Lead Acid Based

Zinc Air Based

General Medical Device

Lithium Based

Lead Acid Based

Zinc Air Based

Cardiovascular Medical Device

Lithium Based

Lead Acid Based

Zinc Air Based

Orthopedic Device

Lithium Based

Lead Acid Based

Zinc Air Based

Home Healthcare Device

Lithium Based

Lead Acid Based

Zinc Air Based

Other Devices

Lithium Based

Lead Acid Based

Zinc Air Based

Technology Trends and Forecasts by Region [\$M shipment analysis for 2018 – 2030]:

North America

United States

Canada

Mexico

Europe

United Kingdom

Germany

France

Asia Pacific

Japan

China

South Korea

India

The Rest of the World

Latest Developments and Innovations in the Medical Battery Technologies

Companies / Ecosystems

Strategic Opportunities by Material Technology

Some of the medical battery companies profiled in this report include GE Healthcare, Siemens AG, Panasonic Healthcare, Integer Holding Corporation, EaglePicher Technologies, Saft Groupe, and Ultralife Corporation.

This report answers following 9 key questions:

Q.1 What are some of the most promising and high-growth technology opportunities for the medical 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 medical 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 to these technologies in medical battery market?

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

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

Q.8 Who are the major players in this medical battery market? What strategic initiatives are being implemented by key players for business growth?

Q.9 What are strategic growth opportunities in this medical battery technology space?

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