

Global Flexible Battery Market By type (Thin-film Batteries and Printed Batteries); By Application (Consumer Electronics, Smart Packaging, Smart Cards, Medical Devices, Wireless Sensors and others); By capacity (Below 10 mAh, Between 10 mAh and 100 mAh and Above 100 mAh); By rechargeability (primary and secondary); By voltage (below 1.5V, between 1.5V and 3V, and above 3V) and Region – Analysis of Market Size, Share and Trends for 2014 – 2019 and Forecasts to 2030

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Abstracts

Product overview

Flexible batteries are primary and secondary batteries designed to be flexible and used in products such as smart cards, wearable electronics, flexible displays, and medical devices. Features of batteries such as lightweight, flexibility and portability make it popular among consumers over large, heavy, bulky, and rigid traditional batteries.

Market Highlights

Global printed battery market grew at USD 1217 million in 2019 and is projected to grow at a CAGR of 30.9% from 2020 to 2030. The rising number of research and development activities and increased demand for wearable devices and usage of battery in flexible electronic devices, IoT applications, and in the treatment of covid-19 patients is likely to increase the market growth.

Source: Fatpos Global

Global Flexible Battery Market: Segments

Global Flexible Battery Market can be segmented on the basis of type, capacity, rechargeability, application voltage, and regions.

By type, it can be segmented into Thin-film Batteries and Printed Batteries. The thin-film batteries dominate the market due to their superior performance and increased demand for miniaturized products.

By capacity, we can divide it into Below 10 mAh, Between 10 mAh and 100 mAh and Above 100 mAh. Batteries over the capacity of 100 mAh are made for devices with high-energy requirements and long shelf life thus increasing their demand in the market.

By rechargeability, it can be segmented into primary and secondary batteries.

By application the flexible battery market can be categorized in Consumer Electronics, Smart Packaging, Smart Cards, Medical Devices, Wireless Sensors, and others.

By voltage, it can be divided into below 1.5V, between 1.5V and 3V, and above 3V. above 3V batteries are expected to dominate the market as they provide more durability, reliability, and safety. They are also used in consumer wearable and electronics which is likely to increase the demand.

The region segment can be further divided into five major types including North America, Latin America, Europe, APAC, and MENA.

Global Flexible Battery Market: Drivers and Restraints

Digital advancements and demand for healthcare devices will increase growth

Advancements in the digitalization of the economy and the shift of focus to flexible electronics and wearable have increased the growth in the market. The demand for mobile healthcare devices and wireless healthcare monitoring devices is also driving the market growth. With investments in the internet of things projects, new opportunities are also opening up in the flexible battery market.

High prices and low energy density will decline the flexible battery market

The production of consumer electronics has been declining due to the covid-19 pandemic and thus their prices can rise in the coming months which can be a restraint in the market growth. High costs and low energy density in the flexible battery market are other restraints of the market.

Global Flexible Battery Market: Regions

The region segment can be further divided into five major types including North America, Latin America, Europe, APAC, and MENA.

Rising demand for the internet of things enabled devices, as well as portable electronics among consumers, are driving the market growth in the APAC region. Increasing smart card popularity in the region is also a reason for the rise in the sector. North America is also likely to show significant growth in the sector due to the increased demand for medical devices and wearable devices amidst coronavirus pandemic.

Source: Fatpos Global

Global Flexible Battery Market is further segmented by region into:

North America Market Size, Share, Trends, Opportunities-o-Y Growth, CAGR – United States and Canada

Latin America Market Size, Share, Trends, Opportunities, Y-o-Y Growth, CAGR – Mexico, Argentina, Brazil and Rest of Latin America

Europe Market Size, Share, Trends, Opportunities, Y-o-Y Growth, CAGR – United Kingdom, France, Germany, Italy, Spain, Belgium, Hungary, Luxembourg, Netherlands, Poland, NORDIC, Russia, Turkey and Rest of Europe

APAC Market Size, Share, Trends, Opportunities, Y-o-Y Growth, CAGR – India, China, South Korea, Japan, Malaysia, Indonesia, New Zealand, Australia and Rest of APAC

MENA Market Size, Share, Trends, Opportunities, Y-o-Y Growth, CAGR – North Africa, Israel, GCC, South Africa and Rest of MENA

Global Flexible Battery Market: Key players

Blue Spark Technologies
Business Strategy
Key Product offerings
Financial performance
Key Performance Indicators
Risk Analysis
Recent Development
Regional Presence
SWOT Analysis
Samsung SDI
LG Chem
Enfucell Oy Ltd
Apple Inc.
Panasonic
Ultralife Corporation
BrightVolt
Imprint Energy
Energy Diagnostics
Jenax

Global Flexible Battery Market report also contains analysis on:

Global Flexible Battery Market segments:-

By type :

Thin-film Batteries

Printed Batteries

By application :

Consumer Electronics

Smart Packaging

Smart Cards

Medical Devices

Wireless Sensors

others

By capacity :

Below 10 mAh

Between 10 mAh and 100 mAh

Above 100 mAh

By rechargeability :

Primary

secondary

By voltage :

below 1.5V

between 1.5V and 3V

above 3V

Global Flexible Battery Market dynamics

Global Flexible Battery Market size

Supply & Demand

Current Trends/Issues/Challenges

Competition & Companies Involved in the Market

Value Chain of the Market

Market Drivers and Restraintsmmmmm

FAQs on Global Flexible Battery Market

Which segment is anticipated to hold the largest market share?

At what CAGR is the market anticipated to grow between 2020 and 2030?

Who are the key players in Global Flexible Battery Market

What could be the challenging factors for the growth of Global Flexible Battery Market?

What are the growth drivers for the Flexible Battery Market?

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12.10. Energy Diagnostics

12.11. Jenax

Consultant Recommendation

**The above-given segmentations and companies could be subjected to further modification based on in-depth feasibility studies conducted for the final deliverable.

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