

Flexible Thin Film and Printed Battery Market Set to Surge: Forecast Highlights Growth Opportunities Through 2027

Flexible Thin Film and Printed Battery Market Expected to Reach \$11,033.3 Million By 2027

WILMINGTON, DE, UNITED STATES, January 3, 2025 /EINPresswire.com/ -- Allied Market Research, titled, "[Flexible Thin Film and Printed Battery Market](#)

By Chargeability and Application: Opportunity Analysis and Industry Forecast, 2020–2027", the flexible thin film and printed battery market size was valued at \$1,217 million in 2019 and is projected to reach \$11,033.3 million by 2027, growing at a CAGR of 30.9% from 2020 to 2027. Asia-Pacific is expected to be the leading contributor to the global flexible thin film and printed battery market, followed by North America and Europe.



Flexible Thin Film and Printed Battery Market

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The technological developments in wearable technology, medical & cosmetics, packaging, and consumer electronics drive the growth of the flexible Thin Film and Printed Battery Market.”

Allied Market Research

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The flexible thin film and printed battery market in Asia-Pacific is expected to grow at the highest rate during the forecast period, owing to rise in investment by the market players in advanced technologies. Furthermore, the increase in disposable income of the population within the region fuels the demand for consumer electronics, which is projected to contribute to the growth of the flexible thin film and printed battery technology in Asia-Pacific.

Flexible electronics is a potential method of creating intelligent, scalable products, with several

new applications such as wearable electronics. The flexibility in the substrate, the faster manufacturing process of printable circuits, and the reduced risk of disposal after use are some of the drivers of printed flexible electronics in the current scenario. Printed batteries are one of the most promising applications of flexible electronics, having huge traction in the current scenario. The growing usage of smart objects such as RFIDs, stand-alone sensors, and others that require portable, non-bulky, and flexible power sources has been boosting the demand for flexible batteries.

The increase in IoT devices is majorly driving the growth of the flexible thin film and printed battery industry. Moreover, the rise in demand for smart electronic products and the increase in concern of the government on flexible electronics is expected to boost the [flexible thin film and printed battery market growth](#). Furthermore, a surge in printed electronics and increased production and demand for rechargeable batteries are expected to provide lucrative growth opportunities. However, lower energy density and cost constraints are expected to hinder the flexible thin film and printed battery market growth.

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The Flexible Thin Film and Printed Battery industry's key market players adopt various strategies such as product launch, product development, collaboration, partnership, and agreements to influence the market. It includes details about the key players in the market's strengths, product portfolio, market size and share analysis, operational results, and market positioning.

Key players in the Flexible Thin Film and Printed Battery market include:

- PANASONIC CORPORATION
- PROLOGIUM
- CYMBET CORPORATION
- BRIGHTVOLT, INC.
- JIANGSU ENFUCELL FLEXIBLE ELECTRONICS CO., LTD.
- STMicroelectronics
- SAMSUNG SDI
- IMPRINT ENERGY INC.
- EXCELLATRON SOLID STATE, LLC
- BLUE SPARK TECHNOLOGIES

Currently, flexible batteries are majorly employed in applications wherein the power is utilized for single use and does not need to be recharged. Personal care, cosmetic patches, sports equipment, and pharmaceutical & medical devices are major beneficiaries of the non-rechargeable, flexible batteries market. The market for rechargeable flexible batteries is

expected to grow with the development of technology, which can harness the capacity of the battery.

By region, the flexible thin film and printed battery market trends have been analyzed across North America, Europe, Asia-Pacific, and LAMEA. Asia-Pacific accounted for a major share of the global flexible thin film and printed battery market in 2019 and is expected to dominate the market in terms of revenue during the forecast period, owing to a significant number of market players and growth in demand for smart consumer electronics. North America region holds the second largest share in the global flexible thin film and printed battery market and is expected to witness significant growth during the forecast period, owing to increasing demand for wearable devices.

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Key findings from the report:

- By changeability, the non-rechargeable segment accounted for the maximum revenue in 2019 and is projected to grow at a notable CAGR of 29.8% during the forecast period.
- By application, the consumer electronics segment accounted for approximately 25.0% of the [flexible thin film and printed battery market share](#) in 2019.
- The wearable technology segment is estimated to witness the highest CAGR during the forecast period.
- China was the major shareholder in the Asia-Pacific flexible thin film and printed battery market, accounting for more than 30.0% share in 2019.

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