

North America Thin Film and Printed Battery Market Forecast to 2031 - Regional Analysis - by Voltage Rating (Below 1.5 V, 1.5-3 V, and Above 3 V), Chargeability (Rechargeable and Single-Use), and Application (Consumer Electronics, Medical Devices, Smart Packaging, Smart Cards, Wireless Sensors, and Others)

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Abstracts

The North America thin film and printed battery market was valued at US\$ 54.99 million in 2023 and is expected to reach US\$ 241.47 million by 2031; it is estimated to register a CAGR of 20.3% from 2023 to 2031.

Proliferation of 5G Fuels North America Thin Film and Printed Battery Market

The 5G network is ~100 times faster than the 4G network, making real-time data acquisition quicker and easier. The demand for a 5G network is on the rise as it provides strong connectivity and high-speed data transfer. According to the Groupe Speciale Mobile Association (GSMA), 5G penetration globally is expected to reach 54% by 2030 from 17% in 2022. North America had the highest 5G penetration, with 39% in 2022, and it is projected to reach 91% by 2030. The demand for 5G is increasing worldwide as it is the critical new-generation network technology that can enable innovation and support digital transformation. Therefore, the governments of several countries are focusing on investing in 5G infrastructure. With the growing adoption of 5G worldwide, the demand for connected electronic devices is increasing, positively influencing the North America thin film and printed battery market .

North America Thin Film and Printed Battery Market Overview

The Thin Film and Printed Battery market in North America is growing at a considerable rate owing to factors such as the early adoption of technologically advanced solutions, the growing adoption of foldable electronics, and the robust medical devices market. For example, the Obama Administration was focused to flourish the flexible electronics market with cutting-edge research and development in hybrid flexible electronics manufacturing. This has helped the region to make a strong foothold in the flexible electronics market, which has generated the demand for thin film and printed batteries. Further, the region homes several key market players with key competencies, process technologies, and equipment. The strong market position of the key market players provides them with a competitive advantage over others. It encourages them to expand their business offerings with various acquisitions and partnership strategies. For example, in December 2021, Ultralife Corporation announced that it had acquired Excell Battery Company. The acquisition further helps Ultralife Corporation increase its capabilities in mission-critical applications, such as OEM industrial and medical devices, downhole drilling, automated meter reading, mining, and marine. Based in Canada with US operations, Excell is a key independent designer and manufacturer of high-performance smart battery systems, battery packs, and monitoring systems to customer specifications.

North America Thin Film and Printed Battery Market Revenue and Forecast to 2031 (US\$ Million)

North America Thin Film and Printed Battery Market Segmentation

The North America thin film and printed battery market is categorized into voltage rating, chargeability, application, and country.

By voltage rating, the North America thin film and printed battery market is segmented into below 1.5 V, 1.5-3 V, and above 3 V. The below 1.5 V segment held the largest share of the North America thin film and printed battery market share in 2023.

In terms of chargeability, the North America thin film and printed battery market is bifurcated into rechargeable and single-use. The rechargeable segment held a larger share of the North America thin film and printed battery market share in 2023.

By application, the North America thin film and printed battery market is consumer electronics, medical devices, smart packaging, smart cards, wireless sensors, and others. The consumer electronics segment held the largest share of the North America

thin film and printed battery market share in 2023.

Based on country, the North America thin film and printed battery market is segmented into the US, Canada, and Mexico. The US segment held the largest share of North America thin film and printed battery market in 2023.

Excellatron, Imprint Energy, Molex LLC, RENATA SA, Samsung SDI Co Ltd, STMicroelectronics NV, Ultralife Corp, and Varta AG are the among leading companies operating in the North America thin film and printed battery market.

Reason to buy

Save and reduce time carrying out entry-level research by identifying the growth, size, leading players, and segments in the North America thin film and printed battery market.

Highlights key business priorities in order to assist companies to realign their business strategies.

The key findings and recommendations highlight crucial progressive industry trends in the North America thin film and printed battery market, thereby allowing players across the value chain to develop effective long-term strategies.

Develop/modify business expansion plans by using substantial growth offering developed and emerging markets.

Scrutinize in-depth North America market trends and outlook coupled with the factors driving the North America thin film and printed battery market, as well as those hindering it.

Enhance the decision-making process by understanding the strategies that underpin commercial interest with respect to client products, segmentation, pricing, and distribution.

The List of Companies - North America Thin Film and Printed Battery Market

Excellatron

Imprint Energy

Molex LLC

RENATA SA

Samsung SDI Co Ltd

STMicroelectronics NV

Ultralife Corp

Varta AG

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