Thin Film and Printed Battery Market - Global Forecast to 2022

Description:

"Thin Film and Printed Battery Market by Voltage Rating (Below 1.5 V, 1.5 V to 3 V, Above 3 V), Chargeability (Rechargeable, Single Use), Application (Packaging, Smart Card, Wearable Device, Consumer Electronic, Medical Device) - Global Forecast to 2022"

The thin film and printed battery market is expected to grow at a CAGR of 24.7% between 2016 and 2022 to reach USD 1.25 billion by 2022. The key driving factors for the growth of the thin film and printed battery market are the increasing demand for wearable devices, increasing integration of printed battery solutions in smart textiles, and high requirement of thin film and printed battery solutions in the healthcare industry.

However, less availability of printed ink materials and lack of standardization in the development of thin film and printed batteries are the major restraining factors for the growth of this market.

Rechargeable batteries lead the market and is expected to witness the highest growth rate during the forecast period. Applications such as consumer electronics, wearable devices, medical devices, and wireless communication require a rechargeable battery with a long lifespan. Rechargeable batteries are widely used in portable consumer electronic and wearable devices. The increasing use of rechargeable batteries in consumer electronics and wearable devices is expected to drive the rechargeable thin film and printed battery market during the forecast period.

Thin film batteries are used widely in applications such as smart packaging, smart cards, wearable devices, and medical devices. Miniaturization in the products used in these applications has increased the demand for thin film batteries, thereby driving the growth of the thin film battery market significantly. Thin film batteries have less self-discharge rates than conventional batteries. Thus, they have a huge demand in consumer electronics and wearable devices, thereby driving the growth of the market.

The market for thin film and printed batteries in the APAC region is expected to grow at the highest CAGR between 2016 and 2022. Major consumer electronics manufacturers in this region are modernizing their product designs to function using thin power sources for compatibility with the flexible designs of their products. As a result, the technological advancements in smart packaging and consumer electronics as well as the growing popularity of wearable devices in this region are fueling the growth of the market in the APAC region.

The break-up of the profiles of primary participants for the report has been given below:

- By Company Type: Tier 1 – 25%, Tier 2 – 40%, and Tier 3 – 35%
- By Designation: C–Level Executives – 72% and Directors– 28%
- By Region: North America -32%, Europe – 30%, APAC – 24%, and RoW – 14%

Major players involved in the development of thin film and printed batteries include Samsung SDI Co., Ltd. (South Korea), Enfucell Oy Ltd. (Finland), Blue Spark Technologies, Inc. (U.S.), Panasonic Corporation (Japan), Cymbet Corporation (U.S.), Imprint Energy (U.S.), BrightVolt Inc.(U.S.), NEC Energy Solutions (U.S.), Ultralife Corporation (U.S.), Flexel LLC(U.S.), Excellatron Solid State LLC (U.S.), ProtoFlex Corporation(U.S.), and Jenax Inc. (South Korea).

Research Coverage:

The research report on the global thin film and printed battery market covers the market on the basis of voltage rating, chargeability, application, and geography. The market has been segmented on the basis of voltage rating into below 1.5 V, between 1.5 V and 3 V, and above 3 V. On the basis of chargeability, the thin film and printed battery market has been classified into rechargeable and single use. Further, the thin film and printed battery market has been segmented on the basis of application into smart packaging, smart cards, consumer electronics, medical devices, wearable devices, wireless communication, and others. The report covers four major geographical regions, namely, North America, Europe, Asia Pacific (APAC), and Rest of the World (RoW).

Key Benefits of Buying the Report:
- Illustrative segmentations, analyses, and forecasts for the market based on voltage rating, chargeability, application, and geography have been conducted to give an overall view of the thin film and printed battery market.
- The Porter's five forces framework has been utilized along with the value chain analysis to provide an in-depth insight into the thin film and printed battery market.
- The major drivers, restraints, opportunities, and challenges for the thin film and printed battery market have been detailed in this report.
- The report includes a detailed competitive landscape along with key players, in-depth analysis, and revenue of key players.

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