

North America Electric Vehicle Battery Separator - Market Share Analysis, Industry Trends & Statistics, Growth Forecasts (2025 - 2030)

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Report description:

The North America Electric Vehicle Battery Separator Market size is estimated at USD 74.12 million in 2025, and is expected to reach USD 184.29 million by 2030, at a CAGR of 19.98% during the forecast period (2025-2030).

Key Highlights

- In the medium term, the market is poised to benefit from the rising adoption of electric vehicles and the decreasing prices of lithium-ion batteries.
- Conversely, stringent safety concerns surrounding batteries pose a potential challenge to the market's expansion.
- However, breakthroughs in electric vehicle battery technology could pave the way for future market growth.
- During the study period, the United States is projected to dominate North America's Electric Vehicle Battery Separator market.

North America Electric Vehicle Battery Separator Market Trends

Lithium-ion battery type to Dominate the Market

- The rising adoption of electric vehicles drives a corresponding surge in lithium-ion battery production. This momentum not only fuels innovation but also attracts investments in battery technology. It highlights the crucial role lithium-ion batteries play in strengthening North America's electric vehicle market and advancing the broader transition to sustainable transportation solutions.
- In May 2024, Green New Energy Materials, a battery component manufacturer from China, unveiled plans for a USD 140 million

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lithium-ion battery separator manufacturing facility in Denver, North Carolina. In a similar vein, Gotion, another China-based battery manufacturer, declared in 2023 an investment of USD 2 billion for a new factory in Manteno, Illinois, North America. This new facility is set to produce lithium-ion battery cells with a capacity of 40 GWh and battery packs of 10 GWh.

- In February 2024, EnerSys pinpointed Greenville, South Carolina, for its new lithium-ion cell gigafactory, a move aimed at enhancing United States battery production. This strategic decision not only signals a substantial long-term growth avenue for EnerSys but also emphasizes its dedication to customizing battery solutions. By adjusting cell sizes, EnerSys aims to diminish its dependence on foreign suppliers. Such expansive lithium-ion battery production units are poised to bolster the separator market during the forecast period.
- Historically, lithium-ion battery prices have seen a notable decline, subsequently boosting the demand for related components, including separators. Bloomberg NEF reported that in 2023, the average price of lithium-ion batteries was USD 139 USD/KWh, marking a remarkable fivefold price drop since 2014.
- Thus, with the swift adoption of lithium-ion batteries driven by plummeting prices, the electric vehicle battery separator market stands to gain significantly in the foreseeable future.

United States to Witness Significant Growth

- Over the years, the United States has solidified its position as one of the world's leading economies, thanks to its tightly integrated markets. The United States stands at the forefront of research and innovation in battery technology, notably in Lithium-ion Battery separators (LIBS).
- While the United States does import separators, domestic companies like ENTEK are making significant strides. For example, in March 2023, ENTEK unveiled plans for a USD 1.5 billion production facility on a sprawling 340-acre site in Terre Haute, Indiana, with operations set to commence by 2027.
- In November 2023, the United States government pledged an investment of up to USD 3.5 billion to bolster the nation's domestic battery manufacturing sector. This investment, part of the Infrastructure law, aims to enhance the production of advanced batteries and their raw materials, positioning the United States as a key player in the burgeoning electric vehicle battery separator market.
- Moreover, in October 2023, Asahi Kasei revealed plans to invest around USD 264 million in the United States to set up coating equipment for lithium-ion battery separators, targeting a 2026 operational date. Such initiatives are poised to fuel the growth of the electric vehicle battery separator market in the coming years.
- According to the International Energy Agency, the United States saw electric vehicle sales reach approximately 1.39 million in 2023, marking a 40% surge from the previous year. This uptick in electric vehicle sales is set to drive demand for batteries and related components, like cathodes, in the near future.
- Given these trends, the North American Electric Vehicle Battery Separator Market is poised for rapid growth in the coming years.

North America Electric Vehicle Battery Separator Industry Overview

The North America electric vehicle battery separator market is moderately fragmented, with several players. Some of the major players (not in particular order) include Asahi Kasei Corp., Sumitomo Corporation, Entek International LLC, SK Innovation Co Ltd and Coperion GmbH.

Additional Benefits:

- The market estimate (ME) sheet in Excel format
- 3 months of analyst support

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