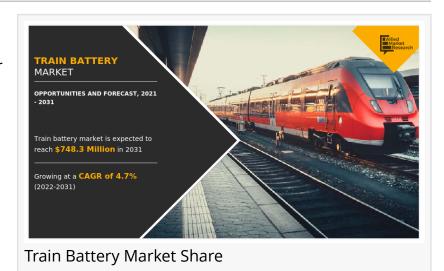


## Next-Gen Train Battery Market worth USD 748.3 Million by 2031 Amid Rising Demand for Sustainable Rail Solutions

Improvement in railway infrastructure increases the speed and efficiency of railway systems for freight and passenger transportation.

WILMINGTON, NEW CASTLE, DE, UNITED STATES, February 5, 2025 /EINPresswire.com/ -- Rise in budget allocations for development of railways, increase in demand for a secure, safer, and efficient rail transport, and surge in demand for trains with improved passenger



capacity drive <u>the growth of the global train battery market</u>. However, supportive government regulations on train batteries and increase in capital requirement hinder the market growth. On the other hand, improvement in railway infrastructure in developing nations and rise in development & testing of autonomous trains present new opportunities in the coming years.

According to the report published by Allied Market Research, the global train battery market generated \$483.0 million in 2021, and is expected to reach \$748.30 million by 2031, witnessing a CAGR of 4.7% from 2022 to 2031. The report offers a detailed analysis of changing market trends, top segments, key investment pockets, value chain, regional landscape, and competitive scenario.

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DDDDDDDDDDDDDDDDDDDD, the lead acid segment accounted for the highest share in 2021, contributing to more than three-fifths of the total market share, and is estimated to continue its lead position during the forecast period. However, the lithium ion segment is projected to manifest the highest CAGR of 5.7% from 2022 to 2031.

DDDDDDDDDDDDDDDDDD, the hybrid segment held the largest share in 2021, <u>accounting for around</u> <u>three-fourths of the global train battery market</u>, and is estimated to maintain its leadership status during the forecast period. However, the battery-operated segment is expected to register the largest CAGR of 5.4% during the forecast period.

DDDDDDDDDDD, Asia-Pacific accounted for the highest share in 2021, contributing to nearly one-third of the total market share, and is projected to continue its dominant share by 2031. Moreover, this region is projected to portray the fastest CAGR of 5.1% during the forecast period. The research also analyzes regions including North America, Europe, and LAMEA.

Factors such as an increase in the allocation of budget for the development of railways, the surge in demand for secure, safer, and efficient rail transport, rise in demand for trains with better passenger capacity are some of the factors propelling the demand for train batteries. However, government regulations on train batteries and high capital requirements are <u>some factors expected to hamper market growth</u>. Furthermore, improvements in railway infrastructure in developing countries and an increase in the development & testing of the autonomous train are expected to create numerous opportunities for the industry players in the near future.

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By battery type, the lead acid segment dominated the global train battery market in 2021, in terms of revenue.

By rolling stock, the metro segment is expected to register significant growth, registering a CAGR

of 7.1% during the forecast period.

By application, the auxiliary battery segment dominated the global train battery market in 2021, in terms of revenue.

By train type, the battery-operated segment is expected to register significant growth, registering a CAGR of 5.4% during the forecast period.

By region, Asia-Pacific dominated the global train battery market in 2021 in terms of market share.

https://www.alliedmarketresearch.com/electric-powertrain-market-A10091 - Global Opportunity Analysis and Industry Forecast, 2021-2031

<u>https://www.alliedmarketresearch.com/automotive-carbon-fiber-market-A12796</u> - Global Opportunity Analysis and Industry Forecast, 2023-2032

<u>https://www.alliedmarketresearch.com/automotive-chip-market-A11410</u> - Global Opportunity Analysis and Industry Forecast, 2022-2031

https://www.alliedmarketresearch.com/rail-gangways-market-A13964 - Global Opportunity Analysis and Industry Forecast, 2023-2032

https://www.alliedmarketresearch.com/train-control-management-system-market - Global Opportunity Analysis and Industry Forecast, 2020-2027

<u>https://www.alliedmarketresearch.com/railway-telematics-market-A12206</u> - Global Opportunity Analysis and Industry Forecast, 2021-2030

<u>https://www.alliedmarketresearch.com/europe-rail-glazing-market-A11460</u> - Regional Opportunity Analysis and Industry Forecast, 2021-2028

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