

Electric Two-Wheeler Lithium-Ion Battery Management System Market to Cross \$5.6 billion by 2031

A rise in industry preference for the use of lithium-ion batteries, and growth in the adoption of rechargeable batteries across multiple end-use industries

WILMINGTON, NEW CASTLE, DELAWARE, UNITED STATES, May 10, 2024 /EINPresswire.com/ -- The global [Electric Two-Wheeler Lithium-Ion Battery Management System Market](#) growth is attributed to the increase in the adoption of electric vehicles (EVs) and hybrid electric vehicles (HEVs), a rise in industry preference for the use of lithium-ion batteries, and growth in the adoption of rechargeable batteries

across multiple end-use industries. However, the rise in the overall price of products with the addition of the battery management system hinders the growth of the market. The market is expected to reach \$5.6 billion in 2031, growing at a CAGR of 20.3% (2022-2031).

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ELECTRIC TWO-WHEELER LITHIUM-ION BATTERY MANAGEMENT SYSTEM MARKET

OPPORTUNITIES AND FORECAST, 2022-2031

Electric two-wheeler lithium-ion battery management system market is expected to reach **\$5.6 Billion** in 2031

Growing at a **CAGR of 20.3%** (2022-2031)



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Electric Two-Wheeler Lithium-Ion Battery Management System Market

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Centralized battery management system is one of the most compact and straight forward topologies available in the market. Centralized battery management system has lower design cost, as all necessary components of battery management system, such as pack management unit, and module management unit are coupled on printed circuit

[management system market revenue](#), and is expected to maintain its dominance throughout the forecast period. Asia-Pacific has experienced a surge in electric two-wheeler sales, driven by growing population, increasing disposable incomes, and urbanization. Moreover, the presence of rapidly emerging countries in the region is expected to significantly impact the market. LAMEA is expected to witness the fastest CAGR of 25.4% from 2022 to 2031. This is due to the surge in popularity of electric vehicles.

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Based on topology, the modular segment held the highest market share in 2021, accounting for nearly half of the global electric two-wheeler lithium-ion battery management system market revenue, and is estimated to maintain its leadership status during the forecast period. Owing to advantages, such as scalability based on requirement, lower maintenance cost, and noise immunity. However, the distributed segment is expected to register the highest CAGR of 21.7% from 2022 to 2031. Distributed battery management system provides improved precision, owing to the presence of dedicated microcontrollers for each cell and are cheaper.

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By vehicle type, the motorcycles segment is anticipated to exhibit significant growth in the near future.

By topology, the distributed segment is anticipated to exhibit significant growth in the near future.

By region, LAMEA is anticipated to register the highest CAGR during the forecast period.

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David Correa

Allied Market Research

+1 503-894-6022

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