

Riding Towards a Greener Future: The Growing Demand for Electric Scooters and Motorcycles | Says EvolveBI

The Electric Scooter and Motorcycle Market, valued at USD 5.01 billion in 2023, is expected to grow at a (CAGR) of 5.14% from 2023 to 2033

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/EINPresswire.com/ -- [Electric scooters](#)

[and motorcycles](#) are increasingly gaining popularity as eco-friendly alternatives to traditional gasoline-powered vehicles. These electric two-wheelers operate using rechargeable batteries, making them a sustainable choice for personal transportation and commuting. Typically designed for short-distance urban travel, electric scooters feature a lightweight, step-through frame and smaller wheels,

which enhance maneuverability in crowded city environments. They usually come equipped with a standing platform, allowing riders to easily navigate through traffic. Their design prioritizes convenience and portability, making them an ideal choice for quick errands or short commutes. In contrast, electric motorcycles are more akin to conventional motorcycles, both in appearance and performance. They boast electric drivetrains that provide smooth acceleration and a quiet riding experience, with the added benefits of lower maintenance costs and fewer moving parts compared to gas-powered bikes. Electric motorcycles cater to a wide range of riders, from daily commuters to enthusiasts seeking a sustainable riding experience without compromising on power or performance. Both electric scooters and motorcycles play a vital role in promoting sustainable mobility. By reducing greenhouse gas emissions and minimizing reliance on fossil fuels, they contribute significantly to global efforts aimed at combating climate change and enhancing air quality in urban settings. As cities seek to improve their transportation infrastructure, the adoption of electric two-wheelers is expected to continue growing, supported by advancements in battery technology, increased charging infrastructure, and favorable government policies promoting clean transportation options.



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Core Market Segments

"The E-Scooter/Moped segment is expected to grow faster throughout the forecast period. By Product, the market is divided into E-Scooter/Moped and E-Motorcycle segments. The E-Scooter/Moped segment is the dominant force in the market, primarily because it offers versatile and eco-friendly transportation solutions that are particularly well-suited for urban commuting and short-distance travel. Its affordability and ease of use have driven widespread adoption, making it a key player in the overall market landscape."

"The Sealed Lead Acid segment is expected to grow faster throughout the forecast period. In terms of Battery Type, the market is classified into Sealed Lead Acid and Lithium-Ion batteries. Sealed Lead Acid batteries currently dominate the market due to their reliability, affordability, and widespread availability. Their proven performance as a trusted power source for electric vehicles makes them a favored choice among consumers, solidifying their market dominance."

"The 36V segment is expected to grow faster throughout the forecast period.

The market is further segmented based on Voltage, including 36V, 48V, 60V, and 72V categories. The 36V voltage standard leads the market, offering an optimal balance between power output and battery efficiency. This widely accepted voltage solution is known for its reliability and compatibility, making it a preferred option for electric vehicle propulsion."

"The Plug-In segment is expected to grow faster throughout the forecast period.

Lastly, the market is categorized by Technology Type, including Plug-In and Battery technologies. The Plug-In segment asserts dominance in the market due to its convenient charging infrastructure and user-friendly operation. This technology allows for seamless integration and accessibility, contributing to its widespread adoption and leading position in the market."

Market Dominators

Yadea Group Holding Ltd., Hero Electric, Vmoto Limited, Electrotherm Ltd, Jiangsu Xinri E-Vehicle Co., Ltd., Energica Motor Company, Piaggio Group, Mahindra and Mahindra Ltd., Harley Davidson, TORROT ELECTRIC EUROPA S.A.

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Fueling Growth: The Essential Ingredients

The increasing concern about environmental degradation and the urgent need to address climate change are key factors propelling the demand for electric scooters and motorcycles. As cities grapple with air pollution and traffic congestion, these electric vehicles emerge as viable alternatives to traditional gas-powered transportation. Government initiatives around the globe play a pivotal role in this transition. Many countries are offering subsidies, tax incentives, and grants to encourage consumers to switch to electric options. Additionally, stringent emissions regulations are pushing manufacturers to innovate and develop cleaner technologies. These

supportive measures not only promote sustainable transportation solutions but also stimulate innovation and investment within the electric scooter and motorcycle market. As a result, manufacturers are increasingly focusing on enhancing battery life, improving charging infrastructure, and developing smart technologies to meet the growing consumer demand for eco-friendly mobility options.

The future of Electric Scooter and Motorcycle Market

The swift pace of urbanization, coupled with escalating traffic congestion, presents a substantial opportunity for electric scooter and motorcycle manufacturers. As cities grow and populations increase, traditional transportation systems struggle to keep up, leading to gridlocked roads and lengthy commutes. In this context, electric scooters and motorcycles emerge as practical solutions for last-mile connectivity, particularly in densely populated urban areas where traffic congestion is a persistent challenge. Their compact size and agility make them exceptionally well-suited for navigating crowded city streets, allowing riders to bypass traffic and reach their destinations more efficiently. Moreover, these electric vehicles cater to the growing demand for convenient and eco-friendly transportation options for short-distance travel. As commuters seek alternatives to crowded public transport and lengthy car journeys, electric scooters and motorcycles provide a flexible and accessible mode of transport that aligns with the needs of urban dwellers. Additionally, the rise of shared mobility services is further enhancing the appeal of electric scooters, allowing users to access these vehicles on demand without the need for ownership. As cities increasingly prioritize sustainable transportation solutions to alleviate congestion and reduce emissions, the electric scooter and motorcycle market is poised for significant growth in urban environments.

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North America to maintain its dominance in 2023

North America is a leading player in the Electric Scooter and Motorcycle market, holding a dominant position due to several critical factors. The region enjoys robust technological innovation coupled with a strong regulatory framework that actively supports the adoption of electric vehicles. This regulatory environment includes incentives and policies aimed at promoting sustainable transportation solutions. Consumer awareness regarding environmental sustainability has significantly increased, driving demand for alternative modes of transportation like electric scooters and motorcycles. Additionally, North America boasts a well-developed infrastructure, including extensive charging networks and urban mobility initiatives, which facilitate the widespread acceptance and utilization of these electric vehicles. As cities increasingly emphasize reducing carbon emissions and enhancing urban mobility, North America is poised to continue leading the global market. This commitment not only shapes the future of electric two-wheelers in the region but also contributes to broader efforts in achieving sustainable transportation goals. With ongoing investments in technology and infrastructure, North America remains at the forefront of this transformative shift in personal mobility.

Key Matrix for Latest Report Update

- Base Year: 2023
- Estimated Year: 2024
- CAGR: 2024 to 2034

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[Evolve Business Intelligence](#) is a market research, business intelligence, and advisory firm providing innovative solutions to challenging pain points of a business. Our market research reports include data useful to micro, small, medium, and large-scale enterprises. We provide solutions ranging from mere data collection to business advisory.

Evolve Business Intelligence is built on account of technology advancement providing highly accurate data through our in-house AI-modelled data analysis and forecast tool – EvolveBI. This tool tracks real-time data including, quarter performance, annual performance, and recent developments from fortune's global 2000 companies.

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