

# Global E-Mobility Market Size Study & Forecast, by Product (Electric Bikes, Electric Scooters, Electric Motorized Scooters, Electric Motorcycles) and Regional Forecasts 2025-2035

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## Abstracts

The Global E-Mobility Market is valued at approximately USD 143.45 billion in 2024 and is projected to expand at a robust CAGR of 14.60% throughout the forecast period spanning 2025–2035, with historical benchmarks drawn from 2023 and 2024 and 2024 serving as the base year for estimation. E-mobility broadly refers to electrically powered transportation solutions that leverage advanced battery technologies and electric drivetrains to deliver cleaner, more efficient mobility. As cities worldwide grapple with congestion, emissions mandates, and shifting consumer expectations, e-mobility has moved from a niche alternative to a strategic pillar of future transportation systems. Government incentives, tightening carbon regulations, and rapid advancements in battery performance are collectively pushing adoption curves upward across both developed and emerging economies.

The market's momentum is further being carried forward by a convergence of policy support and technological maturation, as manufacturers scale up production while driving down unit costs. Consumers, increasingly drawn to lower operating expenses and reduced environmental impact, are trading up from conventional internal combustion vehicles to electric two-wheelers and light mobility solutions. At the same time, shared mobility operators and last-mile delivery platforms are ramping up fleet electrification to lock in long-term cost efficiencies. However, infrastructure gaps, battery recycling concerns, and upfront acquisition costs continue to act as friction points, subtly tempering growth across price-sensitive regions even as innovation works to smooth these barriers over time.

**The detailed segments and sub-segments included in the report are:****By Product:**

- Electric Bikes
- Electric Scooters
- Electric Motorized Scooters
- Electric Motorcycles

**By Drive:**

- Belt Drive
- Chain Drive
- Hub Drive

**By Battery:**

- Lead Acid Battery
- Li-Ion Battery
- Others

**By End-use:**

- Personal
- Commercial

**By Region:**

## North America

U.S.

Canada

## Europe

UK

Germany

France

Spain

Italy

Rest of Europe

## Asia Pacific

China

India

Japan

Australia

South Korea

Rest of Asia Pacific

## Latin America

Brazil

Mexico

Middle East & Africa

UAE

Saudi Arabia

South Africa

Rest of Middle East & Africa

Electric scooters are expected to dominate the Global E-Mobility Market over the forecast period, accounting for the largest share of unit demand. Their dominance is being reinforced by affordability, ease of use, and suitability for dense urban environments where short-distance commuting is the norm. As cities roll out low-emission zones and micro-mobility-friendly infrastructure, electric scooters are being positioned as a practical, scalable alternative to traditional transport modes. Commercial operators are also doubling down on this segment, leveraging scooters for shared mobility and delivery use cases that demand agility and low operating costs.

From a revenue standpoint, electric motorcycles currently lead the market, underpinned by higher average selling prices and growing consumer preference for performance-oriented electric mobility. These vehicles are increasingly being adopted by both personal users and commercial fleets seeking longer range and higher load-bearing capacity. Meanwhile, Li-ion batteries dominate the battery segment in revenue contribution, owing to their superior energy density, longer lifecycle, and rapidly declining costs, which continue to tilt manufacturer and consumer preference decisively in their favor.

Geographically, Asia Pacific commands the largest share of the Global E-Mobility Market, driven by aggressive electrification policies, high population density, and strong manufacturing ecosystems in countries such as China and India. Europe follows closely, benefiting from stringent emission regulations and generous subsidy frameworks that have accelerated electric two-wheeler adoption. North America is

witnessing steady growth, supported by rising environmental awareness and expanding charging infrastructure. Meanwhile, Latin America and the Middle East & Africa are emerging as high-potential markets, as urbanization intensifies and governments begin to align mobility strategies with sustainability objectives.

Major market players included in this report are:

BYD Company Ltd.

Yadea Group Holdings Ltd.

Hero Electric

NIU Technologies

Gogoro Inc.

Vmoto Limited

Ather Energy

Ola Electric

TVS Motor Company

Mahindra Electric Mobility

Zero Motorcycles

Bosch Mobility Solutions

Panasonic Corporation

Samsung SDI

LG Energy Solution

Global E-Mobility Market Report Scope:

*Global E-Mobility Market Size Study & Forecast, by Product (Electric Bikes, Electric Scooters, Electric Motori...*

Historical Data – 2023, 2024

Base Year for Estimation – 2024

Forecast period – 2025-2035

Report Coverage – Revenue forecast, Company Ranking, Competitive Landscape, Growth factors, and Trends

Regional Scope – North America; Europe; Asia Pacific; Latin America; Middle East & Africa

Customization Scope – Free report customization (equivalent to up to 8 analysts' working hours) with purchase. Addition or alteration to country, regional & segment scope\*

The objective of the study is to define market sizes of different segments and countries in recent years and to forecast their values for the coming years. The report is structured to blend qualitative insights with quantitative analysis, offering stakeholders a well-rounded view of the evolving e-mobility ecosystem. It highlights the key drivers and constraints shaping market dynamics, maps emerging opportunities across micro-markets, and delivers a detailed assessment of competitive strategies and product portfolios adopted by leading players operating across the global value chain.

#### Key Takeaways:

Market estimates and forecasts for a 10-year period from 2025 to 2035.

Annualized revenue analysis with region- and segment-level insights.

Comprehensive geographical evaluation supported by country-level analysis.

Competitive landscape profiling major industry participants.

Strategic assessment of market structure, including demand-side and supply-side dynamics.

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