

Global Electric Mobility Market Size Study by Product (Electric Bikes, Electric Scooters, Electric Motorized Scooters, Electric Motorcycles), Drive, Battery, End-use, and Regional Forecasts 2022-2032

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Abstracts

The Global Electric Mobility Market is valued at approximately USD 125.18 billion in 2023 and is projected to grow at an impressive compound annual growth rate (CAGR) of 14.60% during the forecast period from 2024 to 2032. Electric mobility has revolutionized the transportation landscape, offering environmentally friendly and energy-efficient solutions for personal and commercial use. The increasing demand for sustainable alternatives to conventional vehicles, coupled with advancements in battery technology, has spurred the growth of electric mobility solutions.

The advent of high-performance lithium-ion batteries and innovations in charging infrastructure have played a pivotal role in enhancing the feasibility and reliability of electric mobility products. Governments worldwide are introducing incentives and subsidies to encourage the adoption of electric vehicles (EVs), while private players are investing significantly in research and development to improve efficiency and affordability. Furthermore, urbanization and the emphasis on reducing carbon emissions are driving the demand for electric bikes, scooters, and motorcycles across global markets.

Despite these advancements, challenges such as limited charging infrastructure in certain regions and the high initial cost of EVs pose barriers to widespread adoption. However, the increasing integration of renewable energy sources into EV charging networks and technological breakthroughs in battery management systems are unlocking new growth avenues. The electric mobility market is poised to benefit from collaborative efforts between automakers, technology providers, and policymakers to

create a robust and sustainable ecosystem.

North America leads the market due to strong regulatory support and the presence of major EV manufacturers, while Asia Pacific is anticipated to exhibit the fastest growth during the forecast period. Countries such as China and India are witnessing a surge in EV adoption due to favorable government policies, growing consumer awareness, and the expansion of the charging infrastructure network.

Major market players included in this report are:

Tesla Inc.

BYD Company Ltd.

NIO Inc.

Volkswagen AG

BMW Group

Hero Electric Vehicles Pvt. Ltd.

Yamaha Motor Co., Ltd.

Ather Energy Pvt. Ltd.

Bajaj Auto Ltd.

Nissan Motor Corporation

Rivian Automotive, LLC

Lucid Motors Inc.

General Motors Company

Harley-Davidson, Inc.

Gogoro Inc.

The detailed segments and sub-segments of the market are explained below:

By Product:

Electric Bikes

Electric Scooters

Electric Motorized Scooters

Electric Motorcycles

By Drive:

Hub Motor

Mid Drive

By Battery:

Lithium-Ion

Lead Acid

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:

Saudi Arabia

South Africa

Rest of Middle East & Africa

Years considered for the study are as follows:

Historical Year: 2022

Base Year: 2023

Forecast Period: 2024 to 2032

Key Takeaways:

Market Estimates & Forecast for 10 years from 2022 to 2032.

Annualized revenues and regional-level analysis for each market segment.

Detailed analysis of the geographical landscape with country-level insights into major regions.

Competitive landscape overview and information on prominent players in the market.

Analysis of key business strategies and actionable recommendations for future market approaches.

Demand-side and supply-side analysis of the market.

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