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Electric Micro-Mobility Market Forecasts to 2034 - Global Analysis By Vehicle Type (E-Scooters, E-Bikes, E-Skateboards, E-Mopeds, Hoverboards and Other Light Electric Vehicles), Power Source, Drive Mechanism, Speed Range, Distribution Channel, Application, End User and By Geography

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Abstracts

According to Stratistics MRC, the Global Electric Micro-Mobility Market is accounted for $13.8 billion in 2026 and is expected to reach $47.6 billion by 2034 growing at a CAGR of 16.7% during the forecast period. Electric micro-mobility encompasses small electric-powered transportation options intended primarily for short urban journeys. It covers vehicles such as e-bikes, electric scooters, compact mopeds, and similar lightweight mobility solutions. Increasing city populations, road congestion, sustainability objectives, and demand for economical transportation are encouraging wider adoption. These vehicles are particularly valuable for last-mile travel, enabling users to efficiently connect homes, public transportation hubs, offices, and retail destinations. As urban authorities pursue cleaner and more efficient transportation systems, electric micro-mobility is becoming an important component of modern urban mobility, supporting convenient travel while helping limit transportation-related environmental impacts.

According to IEA data, around 65 million electric two- and three-wheelers were on the road globally, representing approximately 8% of the fleet. Under the IEA Stated Policies Scenario, this stock is projected to reach 210 million by 2030.

Market Dynamics:

Driver:

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Rising urbanization and traffic congestion

The expansion of urban populations and worsening road congestion are significantly supporting the growth of electric micro-mobility. Increasing population density places greater demands on existing transportation infrastructure, resulting in crowded streets, parking challenges, and inefficient daily journeys. Compact electric mobility options, including e-scooters and e-bikes, can move efficiently through busy city areas while occupying considerably less space than passenger cars. Their effectiveness for short urban trips provides commuters with an alternative to driving, particularly where congestion makes conventional travel inconvenient. In addition, government initiatives focused on sustainable transportation and improved urban accessibility are encouraging the use of these vehicles.

Restraint:

Limited charging infrastructure

Inadequate charging infrastructure can hinder the expansion of the electric micro-mobility market. While e-bikes and electric scooters typically consume relatively little electricity, dependable charging access remains important for individual users and fleet operators. Many locations lack sufficient public charging facilities, particularly in areas away from central business districts and major transit points. This shortage can increase concerns regarding vehicle availability, charging duration, and usable travel range. Shared mobility companies may face additional difficulties when charging and maintaining numerous vehicles across dispersed operating areas.

Opportunity:

Expansion of shared electric mobility services

Growing shared mobility services create considerable opportunities for electric micro-mobility providers. Electric scooters and bicycles offered through sharing platforms allow people to access convenient transportation without purchasing or maintaining their own vehicles. Operators can strategically position fleets around public transit stations, residential communities, educational institutions, offices, and shopping areas to serve short urban journeys. Smartphone applications, cashless payments, location tracking, and automated fleet management can enhance the user experience while improving fleet utilization. Cooperation between mobility providers and local authorities can further

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encourage structured deployment and infrastructure development.

Threat:

Intensifying competition from alternative mobility solutions

Competition from various alternative transportation modes could constrain the expansion of the electric micro-mobility market. Urban travelers have access to buses, trains, private cars, motorcycles, electric vehicles, ride-hailing platforms, and other transportation services. Enhanced public transit systems and greater availability of electric cars may reduce demand for e-scooters and e-bikes in some situations. Ride-hailing services can also attract users by offering direct and convenient trips, especially where dedicated micro-mobility infrastructure is unavailable. Larger transportation companies may possess greater financial strength, established customer bases, and extensive operational networks.

Covid-19 Impact:

COVID-19 created both challenges and opportunities for the electric micro-mobility market. At the beginning of the pandemic, lockdown measures, restricted movement, workplace closures, and declining travel activity caused substantial reductions in the use of shared electric scooters and bicycles. Mobility operators experienced lower demand and difficulties maintaining normal fleet operations. Subsequently, as restrictions were relaxed, consumers increasingly considered individual transportation modes that minimized contact with crowded public transit. The pandemic also prompted urban authorities to strengthen cycling facilities and explore alternative mobility solutions, helping establish conditions for the continued development of electric micro-mobility after the crisis.

The e-bikes segment is expected to be the largest during the forecast period

The e-bikes segment is expected to account for the largest market share during the forecast period due to their combination of electric propulsion, bicycle-like operation, and broad everyday usefulness. They can serve commuters, recreational riders, students, delivery personnel, and users seeking convenient solutions for short and medium-distance journeys. Electric assistance makes cycling more accessible while helping riders travel farther with less physical effort. E-bikes are also well suited for first-mile and last-mile transportation and can function effectively within urban mobility networks. The availability of multiple formats, such as folding, cargo, city, and

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performance models, expands their suitability for different users and travel requirements.

The shared mobility services segment is expected to have the highest CAGR during the forecast period

Over the forecast period, the shared mobility services segment is predicted to witness the highest growth rate because consumers and cities are increasingly seeking convenient, economical, and environmentally responsible transportation. Shared electric scooters and bicycles provide access to mobility without requiring users to purchase, store, or maintain vehicles themselves. Digital platforms featuring smartphone applications, electronic payments, location services, and automated fleet management make these services easier to use and operate. They can also strengthen connections between public transit stations and final destinations, improving overall urban mobility.

Region with largest share:

During the forecast period, the Europe region is expected to hold the largest market share due to widespread acceptance of e-bikes, electric scooters, and similar compact transportation options. Urban authorities across the region increasingly incorporate micro-mobility into sustainable transport strategies, particularly for connecting passengers to public transit and facilitating short-distance travel. A well-established cycling culture, development of dedicated infrastructure, expansion of shared mobility services, and supportive municipal policies are creating favorable conditions for continued adoption. European cities are also experiencing increasing integration between micro-mobility and broader transportation networks.

Region with highest CAGR:

Over the forecast period, the Asia-Pacific region is anticipated to exhibit the highest CAGR, driven by increasing urban populations, mobility requirements, and widespread interest in electric two-wheelers. High population density and worsening congestion in major cities are creating demand for compact and efficient transportation alternatives. Supportive government measures, investments in charging infrastructure, and incentives for electric mobility are encouraging adoption across the region. Asia-Pacific also possesses strong manufacturing ecosystems for electric two-wheelers, while investments by automotive and mobility companies are strengthening the market.

Key players in the market

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Some of the key players in Electric Micro-Mobility Market include Lime, Bird Global, Tier Mobility, Bolt, Spin, Dott, Voi Technology, Yulu, Ola Electric, Segway-Ninebot, Xiaomi, Neuron Mobility, Ather Energy, Veo, Gogoro, Niu Technologies, Yadea and Helbiz.

Key Developments:

In July 2025, Bird and Segway announced a strategic alliance to roll out advanced new electric scooters and e-bikes across key North American markets. This next-generation fleet combines Segway's engineering excellence with Bird's operational expertise to set new standards for performance, safety, and sustainability in urban transportation.

In July 2025, LIME has announced a major new three-year partnership with Motherwell Football Club, becoming the club's first-team front-of-shirt sponsor from the start of the 2026/27 Scottish Premiership season. The deal marks the biggest commercial partnership in Motherwell FC's history and represents a significant milestone for LIME as the fast-growing business continues to strengthen its presence across Scotland.

Vehicle Types Covered:

- E-Scooters
- E-Bikes
- E-Skateboards
- E-Mopeds
- Hoverboards
- Other Light Electric Vehicles

Power Sources Covered:

- Lithium-Ion Battery
- Lead-Acid Battery

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Other Battery Types

Drive Mechanisms Covered:

Throttle-Based

Pedal-Assisted

Speed Ranges Covered:

Low Speed (50 km/h)

Distribution Channels Covered:

Online Sales

Offline & Retail Stores

Applications Covered:

Urban Commuting

Last-Mile Connectivity

Leisure & Recreation

Delivery & Logistics

End Users Covered:

Personal & Individual Use

Commercial Fleet Operators

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- Shared Mobility Services

Regions Covered:

- North America
  - United States
  - Canada
  - Mexico
- Europe
  - United Kingdom
  - Germany
  - France
  - Italy
  - Spain
  - Netherlands
  - Belgium
  - Sweden
  - Switzerland
  - Poland
  - Rest of Europe
- Asia Pacific

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- China
- Japan
- India
- South Korea
- Australia
- Indonesia
- Thailand
- Malaysia
- Singapore
- Vietnam
- Rest of Asia Pacific

South America

- Brazil
- Argentina
- Colombia
- Chile
- Peru
- Rest of South America

Rest of the World (RoW)

- Middle East

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- Saudi Arabia
- United Arab Emirates
- Qatar
- Israel
- Rest of Middle East

Africa

- South Africa
- Egypt
- Morocco
- Rest of Africa

What our report offers:

- Market share assessments for the regional and country-level segments
- Strategic recommendations for the new entrants
- Covers Market data for the years 2023, 2024, 2025, 2026, 2027, 2028, 2030, 2032 and 2034
- Market Trends (Drivers, Constraints, Opportunities, Threats, Challenges, Investment Opportunities, and recommendations)
- Strategic recommendations in key business segments based on the market estimations
- Competitive landscaping mapping the key common trends

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- Company profiling with detailed strategies, financials, and recent developments
- Supply chain trends mapping the latest technological advancements

Free Customization Offerings:

All the customers of this report will be entitled to receive one of the following free customization options:

- Company Profiling
  - Comprehensive profiling of additional market players (up to 3)
  - SWOT Analysis of key players (up to 3)
- Regional Segmentation
  - Market estimations, Forecasts and CAGR of any prominent country as per the client's interest (Note: Depends on feasibility check)
- Competitive Benchmarking
  - Benchmarking of key players based on product portfolio, geographical presence, and strategic alliances

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Note: Tables for North America, Europe, APAC, South America, and Rest of the World (RoW) Regions are also represented in the same manner as above.

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