

EV Car-Sharing and Peer-to-Peer Mobility Market Forecasts to 2034 – Global Analysis By Service Type (Shared Vehicle Access (Car-sharing), Peer-to-Peer Vehicle Rental and Shared Ride Access (Ride-sharing)), Vehicle Type, Business Model, Platform Type, End User and By Geography

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Abstracts

According to Statistics MRC, the Global EV Car-Sharing and Peer-to-Peer Mobility Market is accounted for \$4.7 billion in 2026 and is expected to reach \$15.2 billion by 2034 growing at a CAGR of 15.8% during the forecast period. EV car-sharing and peer-to-peer mobility are reshaping city transport by making travel more affordable and environmentally friendly. Car-sharing services provide on-demand access to electric vehicles, eliminating the need for ownership and reducing maintenance and parking concerns. Meanwhile, peer-to-peer systems let private EV owners rent their vehicles to others, improving usage efficiency and generating income. Together, these approaches help cut emissions, ease congestion, and optimize resources. Supported by digital platforms for easy reservations and transactions, such mobility solutions are emerging as key components of sustainable and intelligent urban transportation systems.

According to Zoomcar's EV Experience Insight Report (2025), peer-to-peer car-sharing and self-drive rentals are accelerating EV adoption in emerging markets, with global benchmarks showing EV penetration at 38% in China, 21% in Europe, and 9.3% in the US by 2024.

Market Dynamics:

Driver:

Growing environmental awareness

Increasing awareness of environmental issues such as pollution and global warming is fueling demand for EV car-sharing and peer-to-peer mobility. People are actively looking for cleaner transportation options that lower emissions and reduce reliance on traditional fuels. Since electric vehicles do not emit exhaust gases, they are ideal for shared transport models in cities. Support from governments and environmental campaigns further strengthen this trend. As more individuals recognize the importance of sustainability, they are opting for shared electric mobility instead of owning cars, helping create greener urban environments and advancing long-term ecological objectives.

Restraint:

Limited charging infrastructure

Inadequate charging infrastructure is a significant barrier to the growth of EV car-sharing and peer-to-peer mobility. Many areas lack enough accessible charging stations, creating uncertainty for users and limiting service reliability. Concerns about vehicle range and charging convenience discourage adoption. Moreover, the time required to recharge EVs is longer than traditional fueling, reducing operational efficiency. This challenge impacts both shared fleets and private vehicle owners, making it harder to expand services. Without improved charging networks, the adoption of shared electric mobility solutions will continue to face obstacles in urban and developing regions.

Opportunity:

Advancements in battery and charging technology

Ongoing developments in battery systems and charging solutions present valuable opportunities for EV car-sharing and peer-to-peer mobility. Faster charging speeds, extended battery lifespan, and better efficiency improve overall vehicle performance and usability. These enhancements help overcome user concerns and encourage wider adoption of electric vehicles. Expanding charging networks also support smoother operations for shared services. Reduced maintenance needs and increased reliability makes these advancements essential for scaling operations and strengthening the long-term potential of shared EV mobility solutions.

Threat:

Economic uncertainty and reduced consumer spending

Financial instability and economic slowdowns pose a threat to EV car-sharing and peer-to-peer mobility by reducing consumer demand. When people have less disposable income, they tend to limit travel or choose cheaper transportation alternatives.

Companies may also cut spending on mobility services, affecting collaborations and growth strategies. Reduced usage can lead to lower revenues and underutilized assets for service providers. This uncertain economic environment makes it difficult for shared EV platforms to expand and maintain stable performance in the competitive mobility market.

Covid-19 Impact:

The COVID-19 outbreak affected the EV car-sharing and peer-to-peer mobility market in both negative and positive ways. Early stages saw a significant drop in usage due to strict lockdowns, limited travel, and concerns about virus transmission. Shared mobility services experienced reduced demand as people avoided public and shared transport. Over time, the situation improved as individuals sought safer and more flexible travel options. Increased focus on cleanliness and environmental sustainability boosted interest in electric vehicles. Service providers introduced better hygiene practices and contactless technologies, helping rebuild trust and support the gradual recovery of shared EV mobility services.

The shared vehicle access (car-sharing) segment is expected to be the largest during the forecast period

The shared vehicle access (car-sharing) segment is expected to account for the largest market share during the forecast period because of its broad usage and efficient operations. It relies on well-managed fleets, ensuring dependable vehicle access for users. People favor this model for its affordability, convenience, and flexibility over owning a car. Support from governments and businesses further strengthens its position. The organized system and user-friendly approach make car-sharing a reliable option, allowing it to maintain the largest share within the shared electric mobility market.

The fuel cell electric vehicles (FCEVs) segment is expected to have the highest CAGR during the forecast period

Over the forecast period, the fuel cell electric vehicles (FCEVs) segment is predicted to witness the highest growth rate because of their innovative features and efficiency. They provide longer driving ranges and quicker refueling than battery-based vehicles, making them ideal for shared usage models. Rising investments in hydrogen fueling infrastructure and a stronger emphasis on clean energy alternatives are boosting their adoption. As technology improves and support systems expand, FCEVs are becoming an attractive solution for sustainable transportation, leading to their accelerated growth within the shared electric mobility sector.

Region with largest share:

During the forecast period, the Asia Pacific region is expected to hold the largest market share because of fast urban growth, dense populations, and supportive government initiatives. Significant investments in electric vehicle infrastructure, such as charging stations and advanced transport systems, are accelerating adoption. Increasing environmental awareness and widespread use of digital technologies are also boosting shared mobility demand. The region benefits from strong industry participation and favorable regulations that promote EV usage. Moreover, the rising need for affordable and efficient transportation options, along with growing consumer awareness, strengthens Asia-Pacific's leading position in the shared electric mobility market.

Region with highest CAGR:

Over the forecast period, the Europe region is anticipated to exhibit the highest CAGR because of supportive policies and a strong commitment to environmental sustainability. Strict emission regulations and government incentives are encouraging the adoption of electric vehicles and shared mobility solutions. Rising awareness among consumers and the development of modern urban transport systems are boosting demand. Increased investments in technology and mobility platforms also support this expansion. As European cities focus on reducing traffic and pollution, the region is becoming a major hub for the rapid growth of shared electric mobility services.

Key players in the market

Some of the key players in EV Car Sharing and Peer-to-Peer Mobility Market include Getaround, Uber Carshare, Hiyacar, GoMore, Zevo, Eevee, Envoy, Mobility, Zipcar, Nabobil, Koolicar, CarShair, eee-Taxii, Free2Move, Gig Car Share, Evo Car Share, BlueSG and Flinkster.

Key Developments:

In September 2024, Uber and Turo announced a multi-year partnership that will enable Uber users across key global markets to rent from Turo's selection of vehicles directly from the Uber app. The platform is growing rapidly, having introduced UberX Share in Madrid earlier this year, which enabled users to save up to 30% by sharing rides with other users all while promoting sustainable travel.

In March 2023, Getaround (GETR) announced the installation of 83 additional carshare locations as part of its new, expanded participation in the New York City Department of Transportation's ("DOT") carsharing program. Through the DOT's carshare program, hundreds of dedicated carshare parking spaces will be designated at on-street locations across New York City to help promote safe, efficient, and sustainable transportation for community residents and visitors.

Service Types Covered:

Shared Vehicle Access (Car-sharing)

Peer-to-Peer Vehicle Rental

Shared Ride Access (Ride-sharing)

Vehicle Types Covered:

Battery Electric Vehicles (BEVs)

Plug-in Hybrid Electric Vehicles (PHEVs)

Fuel Cell Electric Vehicles (FCEVs)

Business Models Covered:

Station-based

Free-floating

Platform Types Covered:

App-based Digital Platforms

Operator-managed Fleets

End Users Covered:

Urban Commuters

Corporate Fleets

Tourists

Residential/Community Users

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

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

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

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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