+357 96 030922
info@marketpublishers.com

Micro-Mobility Charging Infrastructure Market – Global Industry Size, Share, Trends, Opportunity, and Forecast, Segmented By Vehicle (E-scooters, E-bikes, Electric skateboards, Others), By Charging (Plug-in Charging, Wireless Charging, Battery Swapping), By Infrastructure (Docking Stations, Charging Kiosks, Smart Lockers), By End User (Commercial, Residential, Government), By Region & Competition, 2020-2030F

https://marketpublishers.com/r/M6881DFC8D82EN.html
Date: June 2025
Pages: 185
Price: US$ 4,500.00 (Single User License)
ID: M6881DFC8D82EN

Abstracts

Market Overview

The Global Micro-Mobility Charging Infrastructure Market was valued at USD 6.2 billion in 2024 and is projected to reach USD 18.9 billion by 2030, growing at a CAGR of 20.5% during the forecast period. The market is expanding rapidly due to rising urbanization, increased adoption of electric micro-mobility vehicles such as e-scooters, e-bikes, and skateboards, and growing demand for sustainable urban transport solutions. As cities aim to address traffic congestion and reduce carbon emissions, public and private stakeholders are prioritizing the deployment of smart, scalable charging ecosystems. Integrated with smart city infrastructure, these systems enable seamless charging access for shared and private users alike. With advancements in IoT, AI, and cloud platforms, operators are increasingly leveraging real-time monitoring and predictive analytics to enhance operational efficiency and user experience. This growing digitalization, coupled with support for shared mobility services, is accelerating investments in micro-mobility charging infrastructure worldwide.

+357 96 030922
info@marketpublishers.com

Key Market Drivers

Urban Congestion and Pollution Mitigation

The rise in urban population and corresponding traffic congestion is pushing cities to adopt compact, zero-emission transportation alternatives. Electric micro-mobility options such as e-bikes and scooters offer space-efficient, low-emission travel, directly supporting goals to reduce vehicular emissions and improve air quality. Government-led efforts to design walkable, bike-friendly urban environments with integrated charging infrastructure are helping cities meet environmental targets. Embedding charging stations within transit hubs, business districts, and residential zones ensures user convenience and supports modal shifts from private vehicles to shared electric transport options. As sustainable city planning gains momentum, the demand for micro-mobility infrastructure is expected to grow substantially.

Key Market Challenges

High Installation and Maintenance Costs

The high cost of deploying and maintaining charging infrastructure remains a significant challenge. Developing a citywide network involves securing permits, upgrading grid connections, and installing durable physical assets—all of which require substantial investment. Post-installation, recurring maintenance, software upgrades, and equipment servicing add to operational costs. These expenses can deter deployment in budget-constrained regions or small municipalities. Moreover, ensuring optimal station placement, utility coordination, and user accessibility often demands complex planning and stakeholder collaboration. The financial burden frequently necessitates partnerships between municipalities, energy providers, and private firms to ensure project viability and long-term sustainability.

Key Market Trends

Battery Swapping Stations

Battery swapping is emerging as a viable alternative to conventional plug-in charging, offering rapid turnaround times for micro-mobility fleets. Users can replace depleted batteries with fully charged ones at designated kiosks, avoiding long charging downtimes. This model is particularly beneficial for shared fleets with high utilization rates, such as delivery scooters or e-bike rental services. Battery swapping stations are

+357 96 030922
info@marketpublishers.com

typically less demanding on the electrical grid and allow for centralized charging and battery health monitoring. As battery technology continues to improve, swapping becomes more cost-efficient, helping accelerate the commercial feasibility and adoption of this model in dense urban areas.

Key Market Players

Acton Inc.

Bikeep

Charge Enterprises

DUCKT

Electric Avenue

GetCharged Inc. (Charge)

Helbiz

Loop Mobility

Perch Mobility

Swiftmile

Report Scope:

In this report, the Global Micro-Mobility Charging Infrastructure Market has been segmented into the following categories, in addition to the industry trends which have also been detailed below:

Micro-Mobility Charging Infrastructure Market, By Vehicle:

+357 96 030922
info@marketpublishers.com

E-scooters

E-bikes

Electric skateboards

Others

Micro-Mobility Charging Infrastructure Market, By Charging:

Plug-in Charging

Wireless Charging

Battery Swapping

Micro-Mobility Charging Infrastructure Market, By Infrastructure:

Docking Stations

Charging Kiosks

Smart Lockers

Micro-Mobility Charging Infrastructure Market, By End User:

Commercial

Residential

Government

Micro-Mobility Charging Infrastructure Market, By Region:

North America

United States

+357 96 030922
info@marketpublishers.com

- Canada
- Mexico

Europe & CIS

- Germany
- France
- U.K.
- Spain
- Italy

Asia-Pacific

- China
- Japan
- India
- South Korea

Middle East & Africa

- South Africa
- Saudi Arabia
- UAE
- Turkey

South America

- Brazil

+357 96 030922
info@marketpublishers.com

Argentina

Competitive Landscape

Company Profiles: Detailed analysis of the major companies present in the Global Micro-Mobility Charging Infrastructure Market.

Available Customizations:

Global Micro-Mobility Charging Infrastructure Market report with the given market data, TechSci Research offers customizations according to the company's specific needs. The following customization options are available for the report:

Company Information

Detailed analysis and profiling of additional market players (up to five).

+357 96 030922
info@marketpublishers.com

Contents

+357 96 030922
info@marketpublishers.com

5. NORTH AMERICA MICRO-MOBILITY CHARGING INFRASTRUCTURE MARKET OUTLOOK

+357 96 030922
info@marketpublishers.com

6. EUROPE & CIS MICRO-MOBILITY CHARGING INFRASTRUCTURE MARKET OUTLOOK

+357 96 030922
info@marketpublishers.com

7. ASIA-PACIFIC MICRO-MOBILITY CHARGING INFRASTRUCTURE MARKET OUTLOOK

+357 96 030922
info@marketpublishers.com

8. MIDDLE EAST & AFRICA MICRO-MOBILITY CHARGING INFRASTRUCTURE MARKET OUTLOOK

+357 96 030922
info@marketpublishers.com

9. SOUTH AMERICA MICRO-MOBILITY CHARGING INFRASTRUCTURE MARKET OUTLOOK

+357 96 030922
info@marketpublishers.com

+357 96 030922
info@marketpublishers.com

+357 96 030922
info@marketpublishers.com

I would like to order

Product name: Micro-Mobility Charging Infrastructure Market – Global Industry Size, Share, Trends, Opportunity, and Forecast, Segmented By Vehicle (E-scooters, E-bikes, Electric skateboards, Others), By Charging (Plug-in Charging, Wireless Charging, Battery Swapping), By Infrastructure (Docking Stations, Charging Kiosks, Smart Lockers), By End User (Commercial, Residential, Government), By Region & Competition, 2020-2030F

Product link: https://marketpublishers.com/r/M6881DFC8D82EN.html

Price: US$ 4,500.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:
info@marketpublishers.com

Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page https://marketpublishers.com/r/M6881DFC8D82EN.html