

# **Global Electric Transporters Market Size Study, by Vehicle, by Battery (Sealed Lead Acid, NiMH, Li-Ion), by Voltage (24V, 36V, 48V, Greater Than 48V), and Regional Forecasts 2022-2032**

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## **Abstracts**

The Global Electric Transporters Market, valued at approximately USD 43.03 billion in 2023, is projected to grow at a CAGR of 8.4% during the forecast period 2024-2032. As the world shifts toward sustainable mobility, electric transporters are emerging as a crucial segment in the automotive landscape. These vehicles, ranging from e-scooters and e-bikes to electric skateboards and personal mobility solutions, are revolutionizing urban transportation by providing eco-friendly alternatives to conventional fuel-powered vehicles. The surging demand for emission-free transportation, backed by stringent environmental policies and increasing fuel costs, is propelling the adoption of electric transporters globally.

The market's momentum is primarily driven by technological advancements in battery efficiency, lightweight materials, and smart connectivity. Lithium-ion batteries, in particular, have significantly improved performance, offering longer ranges and shorter charging times, making electric transporters a viable choice for daily commuters. The rise of connected mobility solutions, including GPS tracking, IoT-enabled ride-sharing, and mobile app integration, further enhances user convenience and drives market penetration. Additionally, the demand for last-mile connectivity solutions is spurring innovation, with electric transporters becoming an integral part of urban micro-mobility ecosystems.

One of the major growth catalysts is the rising popularity of shared mobility services. With urban congestion escalating and cities emphasizing sustainability, the deployment of e-scooters and e-bikes in shared fleets is gaining traction. Companies are heavily

investing in infrastructure, such as dedicated charging stations and battery swapping networks, to support the growing adoption. However, high initial costs and concerns about battery longevity pose challenges to widespread acceptance, though continuous advancements in battery recycling and second-life applications are expected to mitigate these limitations over time.

Geographically, North America remains a dominant player in the Global Electric Transporters Market, attributed to the strong presence of electric vehicle startups, increasing government incentives, and high consumer acceptance of e-mobility solutions. Europe follows closely, driven by stringent environmental regulations and the rapid expansion of dedicated cycling and e-mobility lanes. Meanwhile, the Asia-Pacific region is witnessing the fastest growth, fueled by rapid urbanization, high pollution levels, and government-led initiatives to curb carbon emissions. Countries such as China, India, and Japan are investing heavily in electric mobility infrastructure, further accelerating market expansion.

#### Major Market Players Included in This Report:

Segway-Ninebot

Razor USA LLC

Gogoro Inc.

Yadea Group Holdings Ltd.

Xiaomi Corporation

Boosted USA

Niu Technologies

Bird Rides, Inc.

Lime (Neutron Holdings, Inc.)

Micro Mobility Systems AG

Superpedestrian Inc.

Okai

Acton Inc.

Unagi Scooters

Inokim

The Detailed Segments and Sub-Segments of the Market Are Explained Below:

By Vehicle:

Electric Scooters

Electric Bicycles

Electric Skateboards

Electric Hoverboards

Others

By Battery:

Sealed Lead Acid

NiMH

Li-Ion

By Voltage:

24V

36V

48V

Greater Than 48V

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

Rest of Latin America

Middle East & Africa

Saudi Arabia

South Africa

Rest of MEA

Years Considered for the Study:

Historical Year – 2022

Base Year – 2023

Forecast Period – 2024 to 2032

Key Takeaways:

Market estimates and forecasts for 10 years (2022-2032).

Regional-level analysis with annualized revenue figures for each segment.

Country-level insights covering key markets in North America, Europe, Asia-Pacific, Latin America, and MEA.

Competitive landscape profiling major industry players and their strategic initiatives.

In-depth examination of market drivers, restraints, opportunities, and investment trends.

Insights into consumer preferences, demand-supply dynamics, and technology adoption trends in electric transporters.

## Contents

### **CHAPTER 1. GLOBAL ELECTRIC TRANSPORTERS MARKET EXECUTIVE SUMMARY**

- 1.1. Global Electric Transporters Market Size & Forecast (2022-2032)
- 1.2. Regional Summary
- 1.3. Segmental Summary
  - 1.3.1. By Vehicle
  - 1.3.2. By Battery
  - 1.3.3. By Voltage
- 1.4. Key Trends
- 1.5. Recession Impact
- 1.6. Analyst Recommendation & Conclusion

### **CHAPTER 2. GLOBAL ELECTRIC TRANSPORTERS MARKET DEFINITION AND RESEARCH ASSUMPTIONS**

- 2.1. Research Objective
- 2.2. Market Definition
- 2.3. Research Assumptions
  - 2.3.1. Inclusion & Exclusion
  - 2.3.2. Limitations
  - 2.3.3. Supply Side Analysis
    - 2.3.3.1. Availability
    - 2.3.3.2. Infrastructure
    - 2.3.3.3. Regulatory Environment
    - 2.3.3.4. Market Competition
    - 2.3.3.5. Economic Viability (Consumer's Perspective)
  - 2.3.4. Demand Side Analysis
    - 2.3.4.1. Regulatory Frameworks
    - 2.3.4.2. Technological Advancements
    - 2.3.4.3. Environmental Considerations
    - 2.3.4.4. Consumer Awareness & Acceptance
- 2.4. Estimation Methodology
- 2.5. Years Considered for the Study
- 2.6. Currency Conversion Rates

### **CHAPTER 3. GLOBAL ELECTRIC TRANSPORTERS MARKET DYNAMICS**

*Global Electric Transporters Market Size Study, by Vehicle, by Battery (Sealed Lead Acid, NiMH, Li-Ion), by Vo...*

### 3.1. Market Drivers

- 3.1.1. Increasing Demand for Emission-Free Transportation
- 3.1.2. Government Incentives and Environmental Regulations
- 3.1.3. Technological Advancements in Battery Efficiency and Smart Connectivity

### 3.2. Market Challenges

- 3.2.1. High Initial Costs of Electric Transporters
- 3.2.2. Concerns About Battery Longevity and Recycling
- 3.2.3. Limited Infrastructure for Charging and Battery Swapping

### 3.3. Market Opportunities

- 3.3.1. Expansion of Shared Mobility Services
- 3.3.2. Rising Adoption of Last-Mile Connectivity Solutions
- 3.3.3. Increasing Investment in Micro-Mobility Infrastructure

## **CHAPTER 4. GLOBAL ELECTRIC TRANSPORTERS MARKET INDUSTRY ANALYSIS**

### 4.1. Porter's 5 Force Model

- 4.1.1. Bargaining Power of Suppliers
- 4.1.2. Bargaining Power of Buyers
- 4.1.3. Threat of New Entrants
- 4.1.4. Threat of Substitutes
- 4.1.5. Competitive Rivalry
- 4.1.6. Futuristic Approach to Porter's 5 Force Model
- 4.1.7. Porter's 5 Force Impact Analysis

### 4.2. PESTEL Analysis

- 4.2.1. Political
- 4.2.2. Economical
- 4.2.3. Social
- 4.2.4. Technological
- 4.2.5. Environmental
- 4.2.6. Legal

### 4.3. Top Investment Opportunities

### 4.4. Top Winning Strategies

### 4.5. Disruptive Trends

### 4.6. Industry Expert Perspective

### 4.7. Analyst Recommendation & Conclusion

## **CHAPTER 5. GLOBAL ELECTRIC TRANSPORTERS MARKET SIZE & FORECASTS**

## **BY VEHICLE (2022-2032)**

### 5.1. Segment Dashboard

### 5.2. Global Electric Transporters Market: Vehicle Revenue Trend Analysis, 2022 & 2032 (USD Billion)

- 5.2.1. Electric Scooters
- 5.2.2. Electric Bicycles
- 5.2.3. Electric Skateboards
- 5.2.4. Electric Hoverboards
- 5.2.5. Others

## **CHAPTER 6. GLOBAL ELECTRIC TRANSPORTERS MARKET SIZE & FORECASTS BY BATTERY (2022-2032)**

### 6.1. Segment Dashboard

### 6.2. Global Electric Transporters Market: Battery Revenue Trend Analysis, 2022 & 2032 (USD Billion)

- 6.2.1. Sealed Lead Acid
- 6.2.2. NiMH
- 6.2.3. Li-Ion

## **CHAPTER 7. GLOBAL ELECTRIC TRANSPORTERS MARKET SIZE & FORECASTS BY VOLTAGE (2022-2032)**

### 7.1. Segment Dashboard

### 7.2. Global Electric Transporters Market: Voltage Revenue Trend Analysis, 2022 & 2032 (USD Billion)

- 7.2.1. 24V
- 7.2.2. 36V
- 7.2.3. 48V
- 7.2.4. Greater Than 48V

## **CHAPTER 8. GLOBAL ELECTRIC TRANSPORTERS MARKET SIZE & FORECASTS BY REGION (2022-2032)**

### 8.1. North America Electric Transporters Market

- 8.1.1. U.S. Electric Transporters Market
  - 8.1.1.1. Vehicle Breakdown Size & Forecasts, 2022-2032
  - 8.1.1.2. Battery Breakdown Size & Forecasts, 2022-2032

- 8.1.2. Canada Electric Transporters Market
- 8.2. Europe Electric Transporters Market
  - 8.2.1. UK Electric Transporters Market
  - 8.2.2. Germany Electric Transporters Market
  - 8.2.3. France Electric Transporters Market
  - 8.2.4. Spain Electric Transporters Market
  - 8.2.5. Italy Electric Transporters Market
  - 8.2.6. Rest of Europe Electric Transporters Market
- 8.3. Asia-Pacific Electric Transporters Market
  - 8.3.1. China Electric Transporters Market
  - 8.3.2. India Electric Transporters Market
  - 8.3.3. Japan Electric Transporters Market
  - 8.3.4. Australia Electric Transporters Market
  - 8.3.5. South Korea Electric Transporters Market
  - 8.3.6. Rest of Asia-Pacific Electric Transporters Market
- 8.4. Latin America Electric Transporters Market
  - 8.4.1. Brazil Electric Transporters Market
  - 8.4.2. Mexico Electric Transporters Market
  - 8.4.3. Rest of Latin America Electric Transporters Market
- 8.5. Middle East & Africa Electric Transporters Market
  - 8.5.1. Saudi Arabia Electric Transporters Market
  - 8.5.2. South Africa Electric Transporters Market
  - 8.5.3. Rest of Middle East & Africa Electric Transporters Market

## **CHAPTER 9. COMPETITIVE INTELLIGENCE**

- 9.1. Key Company SWOT Analysis
  - 9.1.1. Segway-Ninebot
  - 9.1.2. Razor USA LLC
  - 9.1.3. Gogoro Inc.
- 9.2. Top Market Strategies
- 9.3. Company Profiles
  - 9.3.1. Segway-Ninebot
    - 9.3.1.1. Key Information
    - 9.3.1.2. Overview
    - 9.3.1.3. Financial (Subject to Data Availability)
    - 9.3.1.4. Product Summary
    - 9.3.1.5. Market Strategies
  - 9.3.2. Razor USA LLC

- 9.3.3. Gogoro Inc.
- 9.3.4. Yadea Group Holdings Ltd.
- 9.3.5. Xiaomi Corporation
- 9.3.6. Boosted USA
- 9.3.7. Niu Technologies
- 9.3.8. Bird Rides, Inc.
- 9.3.9. Lime (Neutron Holdings, Inc.)
- 9.3.10. Micro Mobility Systems AG

## **CHAPTER 10. RESEARCH PROCESS**

- 10.1. Research Process
  - 10.1.1. Data Mining
  - 10.1.2. Analysis
  - 10.1.3. Market Estimation
  - 10.1.4. Validation
  - 10.1.5. Publishing
- 10.2. Research Attributes

## List Of Tables

### LIST OF TABLES

TABLE 1. Global Electric Transporters Market, Report Scope

TABLE 2. Global Electric Transporters Market Estimates & Forecasts by Region 2022-2032 (USD Billion)

TABLE 3. Global Electric Transporters Market Estimates & Forecasts by Vehicle 2022-2032 (USD Billion)

TABLE 4. Global Electric Transporters Market Estimates & Forecasts by Battery 2022-2032 (USD Billion)

TABLE 5. Global Electric Transporters Market Estimates & Forecasts by Voltage 2022-2032 (USD Billion)

TABLE 6. Global Electric Transporters Market by Segment, Estimates & Forecasts, 2022-2032 (USD Billion)

TABLE 7. Global Electric Transporters Market by Region, Estimates & Forecasts, 2022-2032 (USD Billion)

TABLE 8. Global Electric Transporters Market by Segment, Estimates & Forecasts, 2022-2032 (USD Billion)

TABLE 9. Global Electric Transporters Market by Region, Estimates & Forecasts, 2022-2032 (USD Billion)

TABLE 10. Global Electric Transporters Market by Segment, Estimates & Forecasts, 2022-2032 (USD Billion)

TABLE 11. Global Electric Transporters Market by Region, Estimates & Forecasts, 2022-2032 (USD Billion)

TABLE 12. Global Electric Transporters Market by Segment, Estimates & Forecasts, 2022-2032 (USD Billion)

TABLE 13. Global Electric Transporters Market by Region, Estimates & Forecasts, 2022-2032 (USD Billion)

TABLE 14. Global Electric Transporters Market by Segment, Estimates & Forecasts, 2022-2032 (USD Billion)

TABLE 15. U.S. Electric Transporters Market Estimates & Forecasts, 2022-2032 (USD Billion)

TABLE 16. U.S. Electric Transporters Market Estimates & Forecasts by Segment 2022-2032 (USD Billion)

TABLE 17. U.S. Electric Transporters Market Estimates & Forecasts by Segment 2022-2032 (USD Billion)

TABLE 18. Canada Electric Transporters Market Estimates & Forecasts, 2022-2032 (USD Billion)

TABLE 19. Canada Electric Transporters Market Estimates & Forecasts by Segment  
2022-2032 (USD Billion)

TABLE 20. Canada Electric Transporters Market Estimates & Forecasts by Segment  
2022-2032 (USD Billion)

...

This list is not complete, the final report contains more than 100 tables. The list may be updated in the final deliverable.

## List Of Figures

### LIST OF FIGURES

- FIG 1. Global Electric Transporters Market, Research Methodology
- FIG 2. Global Electric Transporters Market, Market Estimation Techniques
- FIG 3. Global Market Size Estimates & Forecast Methods
- FIG 4. Global Electric Transporters Market, Key Trends 2023
- FIG 5. Global Electric Transporters Market, Growth Prospects 2022-2032
- FIG 6. Global Electric Transporters Market, Porter's 5 Force Model
- FIG 7. Global Electric Transporters Market, PESTEL Analysis
- FIG 8. Global Electric Transporters Market, Value Chain Analysis
- FIG 9. Global Electric Transporters Market by Segment, 2022 & 2032 (USD Billion)
- FIG 10. Global Electric Transporters Market by Segment, 2022 & 2032 (USD Billion)
- FIG 11. Global Electric Transporters Market by Segment, 2022 & 2032 (USD Billion)
- FIG 12. Global Electric Transporters Market by Segment, 2022 & 2032 (USD Billion)
- FIG 13. Global Electric Transporters Market by Segment, 2022 & 2032 (USD Billion)
- FIG 14. Global Electric Transporters Market, Regional Snapshot 2022 & 2032
- FIG 15. North America Electric Transporters Market 2022 & 2032 (USD Billion)
- FIG 16. Europe Electric Transporters Market 2022 & 2032 (USD Billion)
- FIG 17. Asia-Pacific Electric Transporters Market 2022 & 2032 (USD Billion)
- FIG 18. Latin America Electric Transporters Market 2022 & 2032 (USD Billion)
- FIG 19. Middle East & Africa Electric Transporters Market 2022 & 2032 (USD Billion)
- FIG 20. Global Electric Transporters Market, Company Market Share Analysis (2023)

...

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