

# Asia-Pacific Electric Three-Wheeler Market By Vehicle Type (Passenger Carrier & Load Carrier), By Battery Capacity (101Ah), By Battery Type (Lead Acid & Lithium Ion), By Country, Competition Forecast & Opportunities, 2018-2028F

<https://marketpublishers.com/r/AB2BE41A8265EN.html>

Date: June 2023

Pages: 85

Price: US\$ 4,400.00 (Single User License)

ID: AB2BE41A8265EN

## Abstracts

Asia-Pacific Electric Three-Wheeler Market is growing due to the government's strict pollution control regulations, growing public awareness of the dangers of emissions from gasoline and diesel vehicles, and a rise in the adoption of electric vehicles are the main factors driving the market.

### Recent Developments

The market for electric three-wheelers is expanding because of the industry's increased focus on environment-friendly products because of rising emission standards. China, India, Japan, and other nations in the Asia-Pacific region are seeing an increase in innovations and product launches in the electric three-wheeler category. In addition, many new startups and joint ventures in the region are introducing and developing products in response to consumer demand. Companies in the region, including those in India, China, Japan, and others, are introducing new vehicles, and in the upcoming years, many new launches are anticipated. For example, Piaggio recently introduced an electric three-wheeler in India, and in China, a solar electric three-wheeler was unveiled. All these developments in the region are expected to increase demand for electric three-wheelers in the region.

Long-term automotive market trends are expected to include electrification and green technologies. Many countries in the Asia-Pacific region are also providing subsidies for electric vehicles, and the rise in demand for such vehicles is also due to their lower

maintenance and operating costs. To improve commuter efficiency and lower air pollution, the use of electric three-wheelers has advanced significantly in the area. The market for electric three-wheelers in the Asia-Pacific is growing due to the adoption of green vehicles and the implementation of emission standard upgrades.

The demand for last-mile and short-distance travel solutions is another element propelling market expansion. Customers' daily routines tend to be more fixed, particularly for most people who commute to and from work every day and prefer public transport such as electric three-wheelers. The primary concerns are safety, comfort, and cost-effectiveness, and electric vehicles are best for them. The market for electric three-wheelers is expanding as the demand for public commuting for last-mile stops is increasing. The market for electric three-wheelers is expanding because of higher technology advancements in battery charging, battery swapping, and other infrastructure expansions in the region.

#### Adoption of Electric Three-Wheelers in Public First and Last Mile Commutes

The usage of electric three-wheelers for public commuting is increasing in both the first and last-mile commutes as such vehicles are not very expensive as compared with the ICE vehicle. At the same time, such vehicles require low maintenance and operational cost, and the usage of lead acid batteries in the electric three-wheelers is also reducing the price of the vehicle. The increase in innovation and new product development in the region is also increasing effectiveness; similarly, many new startups and other established players are inhouse manufacturing vehicles to meet the price competitiveness in the market. China and India are the leading countries in the region that have a higher penetration of electric three-wheelers for public commuting. During the forecast period, the first and last-mile public commute via electric three-wheelers is expected to rise with the increase in long-distance travel sources such as the metro, and all these factors will contribute to the rise in demand for electric three-wheelers in Asia-Pacific.

#### Government Incentives and Subsidies

Many counties in the area are encouraging the use of electric vehicles by providing incentives to new electric vehicle owners and manufacturers. Furthermore, many regional governments in the area are providing benefits and other subsidies to developing infrastructure and charging service providers in order to increase electric vehicle adoption. Various governments in the region are establishing charging infrastructure for three-wheelers. Government subsidies are encouraging the use of

electric vehicles in the region, and the adoption of electric vehicles is expected to increase in the coming years.

### Inadequate Charging Infrastructure

Battery swapping eliminates charging time and is highly preferred for three-wheelers used for public commuting, but its widespread adoption is hampered by a lack of infrastructure and battery standards in the area. Slow infrastructure development in rural areas could be a contributing factor to the slow growth. Similarly, the countries' lack of defined charging standards, as well as the use of universal batteries for all vehicles, pose growth challenges. Electric vehicle charging infrastructure is being built in countries such as India, China, Japan, and others.

COVID-19 had a negative impact on the sector as well, as it hampered all manufacturing and operational activities. All charging station setup operations were halted because of lockdowns, and other restrictions were also imposed by various regional governments. However, in most Asian countries, optimism has remained or even increased. While many consumers around the world expect their income to decline, some consumers in China and India expect their income to rise. Moreover, charging infrastructure will expand during the forecast period, assisting the region's electric three-wheeler market to grow.

### Market Segmentation

The Asia-Pacific Electric Three-Wheeler Market is segmented on the basis of vehicle type, battery capacity, battery type, and country. Based on vehicle type, the market is bifurcated into passenger carriers and load carriers. On the basis of battery capacity, the market is further segmented into 101Ah. Based on battery type, the market is segmented into lead acid & Li-ion. The market analysis also studies the Country wise segmentation to devise market trends in the forecast years.

### Company Profiles

Xianghe Qiansheng Electric Tricycle Factory, Euler Motors Private Limited, Omega Seiki Mobility Private Limited, Mahindra & Mahindra Limited (India), Saera Electric Auto Pvt. Ltd, Changzhou Yufeng Vehicle Co. Ltd, Gayam Motor Works, Piaggio Group, Lohia Auto Industries, and Atul Auto Ltd. are the leading companies in the Asia Pacific developing electric three-wheelers. There are several other start-ups that are developing efficient electric three-wheelers in the region.

## Report Scope:

In this report, Asia-Pacific Electric Three-Wheeler Market has been segmented into the following categories, in addition to the industry trends, which have also been detailed below:

### Asia-Pacific Electric Three-Wheeler Market, By Vehicle Type:

Passenger Carrier

Load Carrier

### Asia-Pacific Electric Three-Wheeler Market, By Battery Capacity:

25Ah

### Asia-Pacific Electric Three-Wheeler Market, By Battery Type:

Lead Acid

Li-ion

### Asia-Pacific Electric Three-Wheeler Market, By Country:

China

India

Japan

Malaysia

Indonesia

Thailand

Vietnam

## Singapore

### Competitive Landscape

Company Profiles: Detailed analysis of the major companies present in the Asia-Pacific Electric Three-Wheeler Market.

### Available Customizations:

With the given market data, TechSci Research offers customizations according to a 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).

## Contents

### **1. INTRODUCTION**

- 1.1. Product Overview
- 1.2. Key Highlights of the Report
- 1.3. Market Coverage
- 1.4. Market Segments Covered
- 1.5. Research Tenure Considered

### **2. RESEARCH METHODOLOGY**

- 2.1. Objective of the Study
- 2.2. Baseline Methodology
- 2.3. Key Industry Partners
- 2.4. Major Association and Secondary Sources
- 2.5. Forecasting Methodology
- 2.6. Data Triangulation & Validation
- 2.7. Assumptions and Limitations

### **3. EXECUTIVE SUMMARY**

- 3.1. Market Overview
- 3.2. Market Forecast
- 3.3. Key Countries
- 3.4. Key Segments

### **4. IMPACT OF COVID-19 ON ASIA-PACIFIC ELECTRIC THREE-WHEELER MARKET**

- 4.1. Key Segments Impacted
- 4.2. Key Regions Impacted
- 4.3. Key Countries Impacted

### **5. VOICE OF CUSTOMER**

- 5.1. Factors Influencing Purchase Decision
- 5.2. Brand Awareness
- 5.3. Challenges/Issues Faced Post Purchase

## **6. ASIA-PACIFIC ELECTRIC THREE-WHEELER MARKET OUTLOOK**

### 6.1. Market Size & Forecast

#### 6.1.1. By Volume

#### 6.1.2. By Value

### 6.2. Market Share & Forecast

#### 6.2.1. By Vehicle Type Market Share Analysis (Passenger Carrier & Load Carrier)

#### 6.2.2. By Battery Capacity Market Share Analysis (101Ah)

#### 6.2.3. By Battery Type Market Share Analysis (Lead Acid & Li-ion)

#### 6.2.4. By Country Market Share Analysis

##### 6.2.4.1. China Market Share Analysis

##### 6.2.4.2. India Market Share Analysis

##### 6.2.4.3. Japan Market Share Analysis

##### 6.2.4.4. Malaysia Market Share Analysis

##### 6.2.4.5. Thailand Market Share Analysis

##### 6.2.4.6. Indonesia Market Share Analysis

##### 6.2.4.7. Singapore Market Share Analysis

##### 6.2.4.8. Vietnam Market Share Analysis

##### 6.2.4.9. Rest of Asia-Pacific Market Share Analysis

#### 6.2.5. By Company Market Share Analysis (By Value, 2022)

### 6.3. Asia-Pacific Electric Three-Wheeler Market Mapping & Opportunity Assessment

#### 6.3.1. By Vehicle Type Market Mapping & Opportunity Assessment

#### 6.3.2. By Battery Capacity Market Mapping & Opportunity Assessment

#### 6.3.3. By Battery Type Market Mapping & Opportunity Assessment

#### 6.3.4. By Country Market Mapping & Opportunity Assessment

## **7. CHINA ELECTRIC THREE-WHEELER MARKET OUTLOOK**

### 7.1. Market Size & Forecast

#### 7.1.1. By Volume

#### 7.1.2. By Value

### 7.2. Market Share & Forecast

#### 7.2.1. By Vehicle Type Market Share Analysis

#### 7.2.2. By Battery Capacity Market Share Analysis

#### 7.2.3. By Battery Type Market Share Analysis

## **8. INDIA ELECTRIC THREE -WHEELER MARKET OUTLOOK**

## 8.1. Market Size & Forecast

8.1.1. By Volume

8.1.2. By Value

## 8.2. Market Share & Forecast

8.2.1. By Vehicle Type Market Share Analysis

8.2.2. By Battery Capacity Market Share Analysis

8.2.3. By Battery Type Market Share Analysis

# 9. JAPAN ELECTRIC THREE-WHEELER MARKET OUTLOOK

## 9.1. Market Size & Forecast

9.1.1. By Volume

9.1.2. By Value

## 9.2. Market Share & Forecast

9.2.1. Vehicle Type Market Share Analysis

9.2.2. By Battery Capacity Market Share Analysis

9.2.3. By Battery Type Market Share Analysis

# 10. MALAYSIA ELECTRIC THREE-WHEELER MARKET OUTLOOK

## 10.1. Market Size & Forecast

10.1.1. By Volume

10.1.2. By Value

## 10.2. Market Share & Forecast

10.2.1. Vehicle Type Market Share Analysis

10.2.2. By Battery Capacity Market Share Analysis

10.2.3. By Battery Type Market Share Analysis

# 11. THAILAND ELECTRIC THREE-WHEELER MARKET OUTLOOK

## 11.1. Market Size & Forecast

11.1.1. By Volume

11.1.2. By Value

## 11.2. Market Share & Forecast

11.2.1. Vehicle Type Market Share Analysis

11.2.2. By Battery Capacity Market Share Analysis

11.2.3. By Battery Type Market Share Analysis

# 12. INDONESIA ELECTRIC THREE-WHEELER MARKET OUTLOOK



## 12.1. Market Size & Forecast

12.1.1. By Volume

12.1.2. By Value

## 12.2. Market Share & Forecast

12.2.1. Vehicle Type Market Share Analysis

12.2.2. By Battery Capacity Market Share Analysis

12.2.3. By Battery Type Market Share Analysis

# 13. SINGAPORE ELECTRIC THREE-WHEELER MARKET OUTLOOK

## 13.1. Market Size & Forecast

13.1.1. By Volume

13.1.2. By Value

## 13.2. Market Share & Forecast

13.2.1. Vehicle Type Market Share Analysis

13.2.2. By Battery Capacity Market Share Analysis

13.2.3. By Battery Type Market Share Analysis

# 14. VIETNAM ELECTRIC THREE-WHEELER MARKET OUTLOOK

## 14.1. Market Size & Forecast

14.1.1. By Volume

14.1.2. By Value

## 14.2. Market Share & Forecast

14.2.1. Vehicle Type Market Share Analysis

14.2.2. By Battery Capacity Market Share Analysis

14.2.3. By Battery Type Market Share Analysis

# 15. OVERALL DEVELOPMENTS IN THE INDUSTRY

15.1. EV Developments

15.2. Incentives and Subsidies

15.3. Battery, charger, and other Standards

15.4. New Players in the Market

15.5. Key Investments in the Market

15.6. Technological Developments

15.7. Key Takeaways

## **16. MARKET DYNAMICS**

### 16.1. Market Drivers

16.1.1. Adoption of Electric Three Wheelers in Public First and Last Mile Commute

16.1.2. Government Incentives and Subsidies.

### 16.2. Market Challenges

16.2.1. Inadequate Charging Infrastructure

## **17. MARKET TRENDS & DEVELOPMENTS**

17.1. Rising Emission Standards

17.2. Surge in R&D and Technological Advancements

## **18. SWOT ANALYSIS**

18.1. Strength

18.2. Weakness

18.3. Opportunities

18.4. Threats

## **19. PORTER'S FIVE FORCES MODEL**

19.1. Competitive Rivalry

19.2. Bargaining Power of Suppliers

19.3. Bargaining Power of Buyers

19.4. Threat of New Entrants

19.5. Threat of Substitutes

## **20. COMPETITIVE LANDSCAPE**

20.1. Company Profiles (Up to 10 leading companies)

20.1.1. Xianghe Qiansheng Electric Tricycle Factory

20.1.1.1. Company Details

20.1.1.2. Products & Services

20.1.1.3. Recent Development

20.1.1.4. Key Management Personnel

20.1.2. Euler Motors Private Limited

20.1.2.1. Company Details

20.1.2.2. Products & Services

- 20.1.2.3. Recent Development
- 20.1.2.4. Key Management Personnel
- 20.1.3. Omega Seiki Mobility Private Limited
  - 20.1.3.1. Company Details
  - 20.1.3.2. Products & Services
  - 20.1.3.3. Recent Development
  - 20.1.3.4. Key Management Personnel
- 20.1.4. Mahindra & Mahindra Limited (India).
  - 20.1.4.1. Company Details
  - 20.1.4.2. Products & Services
  - 20.1.4.3. Recent Development
  - 20.1.4.4. Key Management Personnel
- 20.1.5. Saera Electric Auto Pvt. Ltd.
  - 20.1.5.1. Company Details
  - 20.1.5.2. Products & Services
  - 20.1.5.3. Recent Development
  - 20.1.5.4. Key Management Personnel
- 20.1.6. Changzhou Yufeng Vehicle Co. Ltd.
  - 20.1.6.1. Company Details
  - 20.1.6.2. Products & Services
  - 20.1.6.3. Recent Development
  - 20.1.6.4. Key Management Personnel
- 20.1.7. Gayam Motor Works
  - 20.1.7.1. Company Details
  - 20.1.7.2. Products & Services
  - 20.1.7.3. Recent Development
  - 20.1.7.4. Key Management Personnel
- 20.1.8. Piaggio Group
  - 20.1.8.1. Company Details
  - 20.1.8.2. Products & Services
  - 20.1.8.3. Recent Development
  - 20.1.8.4. Key Management Personnel
- 20.1.9. Lohia Auto Industries
  - 20.1.9.1. Company Details
  - 20.1.9.2. Products & Services
  - 20.1.9.3. Recent Development
  - 20.1.9.4. Key Management Personnel
- 20.1.10. Atul Auto Ltd.
  - 20.1.10.1. Company Details

- 20.1.10.2. Products & Services
- 20.1.10.3. Recent Development
- 20.1.10.4. Key Management Personnel

## **21. STRATEGIC RECOMMENDATIONS**

- 21.1. Key Focus Areas
- 21.2. Target Regions & Countries
- 21.3. Target Vehicle Type

## **22. ABOUT US & DISCLAIMER**

## I would like to order

Product name: Asia-Pacific Electric Three-Wheeler Market By Vehicle Type (Passenger Carrier & Load Carrier), By Battery Capacity (<101Ah & >101Ah), By Battery Type (Lead Acid & Lithium Ion), By Country, Competition Forecast & Opportunities, 2018-2028F

Product link: <https://marketpublishers.com/r/AB2BE41A8265EN.html>

Price: US\$ 4,400.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:

[info@marketpublishers.com](mailto:info@marketpublishers.com)

## Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/AB2BE41A8265EN.html>

To pay by Wire Transfer, please, fill in your contact details in the form below:

First name:  
Last name:  
Email:  
Company:  
Address:  
City:  
Zip code:  
Country:  
Tel:  
Fax:  
Your message:

**\*\*All fields are required**

Customer signature \_\_\_\_\_

Please, note that by ordering from marketpublishers.com you are agreeing to our Terms & Conditions at <https://marketpublishers.com/docs/terms.html>

To place an order via fax simply print this form, fill in the information below

and fax the completed form to +44 20 7900 3970