

Indonesia Electric Two-Wheeler Market, By Vehicle Type (Scooter, Moped, Motorcycle), By Battery Type (Lead Acid, Lithium-Ion), By Voltage Capacity (48-59V, 60-72V, 73-96V &), By Battery Capacity (2.5 kWh), By Range (150 km), By Region, Competition, Forecast and Opportunities, 2028F

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Abstracts

A two-wheeler is a form of motorized vehicle with two wheels that is usually used for transportation mode. Bicycles, scooters, mopeds, and motorbikes are few examples of two-wheelers. Indonesia Electric Two-Wheeler Market will witness a robust growth during the forecasted period, owing to the rising environment concern. Electric two-wheeler emits zero emission compared to the petrol or diesel two-wheeler. Also, two-wheelers are way more famous than four-wheeler in Indonesia because there is no decent public transport system. An essential national agenda item for Indonesia is the growth of the electric vehicle (EV) industry, which is addressed by a presidential decree and national plans. In keeping with the national agenda, the nation hopes to become the dominant manufacturing and sales force in the area by 2030, with a target of 25% annual sales penetration for electric two-wheelers and a 2.5 million vehicle production capacity. Indonesia's electric two-wheeler market has a lot of potential to develop because it is still in its initial stage of adoption.

Despite a number of current policy initiatives, the nation continues to experience a number of supply and demand-side issues that are impeding the industry's expansion.

The higher cost of electric vehicles, insufficient car specifications, and charging restrictions are examples of demand-side blockages. Low demand and high CAPEX (Capital expenditure) needs for vehicles are supply-side challenges.

Increase in the Use of Scooters in E-Commerce

Due to an increase in E-commerce activities such as online food and grocery sales, demand for electric scooters/motorcycle is increasing in various cities of Indonesia. There has been a surge in sales of two-wheelers used by delivery personnel, due to the growing popularity of online food and grocery services among consumers. Owing to the ease of transmission and riding comforts, numerous delivery personnel have started relying on scooters. Such vehicles are also found to be convenient for use by women and old age people employed in e-commerce since they are occupied with continuously variable transmission (CVT), have additional storage space, and are equipped with comfort of foot resting area, etc. Trend for these two-wheelers are uplifting import and the sales of the motorcycles in Indonesia. In addition to that, non-premium motorcycle and scooter brands like Hero, Honda, Yamaha, Vespa, etc. are launching their models in this segment and hence this is expected to fuel the growth of electric two-wheelers market in Indonesia.

Electric Two-Wheeler as a Solution for Traffic Congestion

Indonesia is known for its heavy traffic congestion, especially in urban areas. Electric Two-wheelers are more maneuverable than cars, allowing riders to weave in and out of traffic and get to their destination more quickly. In comparison to its Southeast Asian peers, Indonesia has one of the economies with the fastest rate of growth and the largest land area. However, the country's main cities have long experienced congestion issues because of the country's growing vehicle population and increasing density. Motorcycle parking is one of the main issues in Indonesia. In a nation with significant traffic congestion, the issue is made worse by a lack of parking space. Motorcycles make up about 82% of the region's overall vehicle population. In contrast to the 0.1% yearly growth of new roads, motorcycle ownership is rising by about 7% on average each year.

Two-Wheelers are Fuel Efficient

Electric Two-wheelers are generally more fuel-efficient than cars, which is an important factor for many Indonesians who need to save money on transportation costs. The cost of fuel is increasing with time due to which more and more people in Indonesia are

shifting their preference towards electric two-wheelers, as it is more cost effective compared to fuel-based two-wheeler. Two-wheelers have a long history in Indonesia and are deeply ingrained in the country's culture. Many Indonesians view two-wheelers as a practical and convenient mode of transportation that is suited to their needs.

Market Segmentation

The Indonesia Electric two-wheeler market is segmented based on vehicle type, battery type, voltage capacity, battery capacity, by range and by region. Based on vehicle type the market is fragmented into electric scooter, electric moped, and electric motorcycle. Based on battery capacity, the market is divided into Lead Acid and Lithium Ion. Based on voltage capacity, the market is divided into 48-59V, 60-72V, 73-96V. Based on battery capacity, the 2.5 kWh. Based on range, the market is divided into 150 km. The market analysis also studies the regional segmentation to devise regional market segmentation, divided among Java, Sumatra, Kalimantan, Sulawesi, Others.

Company Profiles

Shandong Incalcu Electric Co., Ltd, PT Smoot Motor Indonesia, Zero Motorcycle, Inc, Selis (PT Juara Bike), NIU Indonesia, Garansindo Electric Scooter ITS, Volta Indonesia Semesta, Segway Inc, Yadea Technology Group Co., Ltd, etc. are among the top players operating in the Indonesia Electric Two-Wheeler Market.

Report Scope:

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

Indonesia Electric Two-Wheeler Market, By Vehicle Type:

Scooter

Moped

Motorcycle

Indonesia Electric Two-Wheeler Market, By Battery Type:

Lead Acid

Lithium Ion

Indonesia Electric Two-Wheeler Market, By Voltage Capacity:

48-59V

60-72V

73-96V

Indonesia Electric Two-Wheeler Market, By Battery Capacity:

2–2.5 kWh

> 2.5 kWh

Indonesia Electric Two-Wheeler Market, By Range:

150 km

Indonesia Electric Two-Wheeler Market, By Range:

150 km

Indonesia Electric Two-Wheeler Market, By Region:

Java

Sumatra

Kalimantan

Sulawesi

Others

Competitive Landscape

Company Profiles: Detailed analysis of the major companies present in Indonesia Electric Two-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 Regions
- 3.4. Key Segments

4. IMPACT OF COVID-19 ON INDONESIA ELECTRIC TWO-WHEELER MARKET

5. VOICE OF CUSTOMER ANALYSIS

- 5.1. Factors Influencing Purchase Decision
- 5.2. Brand Awareness
- 5.3. Brand Satisfaction Level

6. INDONESIA ELECTRIC TWO-WHEELER MARKET OUTLOOK, 2018-2028

- 6.1. Market Size & Forecast
 - 6.1.1. By Value & Volume

6.2. Market Share & Forecast

6.2.1. By Vehicle Type Market Share Analysis (Scooter/Moped, Motorcycle)

6.2.2. By Battery Type Market Share Analysis (Lead Acid, Lithium-Ion)

6.2.3. By Voltage Capacity Market Share Analysis (48-59V, 60-72V, 73-96V)

6.2.4. By Battery Capacity Market Share Analysis (2.5 kWh)

6.2.5. By Range Market Share Analysis (150 km)

6.2.6. By Regional Market Share Analysis

6.2.6.1. Java Market Share Analysis

6.2.6.2. Sumatra Market Share Analysis

6.2.6.3. Kalimantan Market Share Analysis

6.2.6.4. Sulawesi Market Share Analysis

6.2.6.5. Rest of Indonesia Market Share Analysis

6.2.7. By Company Market Share Analysis (Top 5 Companies, Others – By Value, 2022)

6.3. Indonesia Electric Two-Wheeler Market Mapping & Opportunity Assessment

6.3.1. By Vehicle Type Market Mapping & Opportunity Assessment

6.3.2. By Battery Type Mapping & Opportunity Assessment

6.3.3. By Voltage Capacity Mapping & Opportunity Assessment

6.3.4. By Battery Capacity Mapping & Opportunity Assessment

6.3.5. By Range Mapping & Opportunity Assessment

6.3.6. By Regional Market Mapping & Opportunity Assessment

7. INDONESIA ELECTRIC SCOOTER/MOPED MARKET OUTLOOK

7.1. Market Size & Forecast

7.1.1. By Volume and Value

7.2. Market Share & Forecast

7.2.1. By Battery Type Market Share Analysis

7.2.2. By Voltage Capacity Market Share Analysis

7.2.3. By Battery Capacity Market Share Analysis

7.2.4. By Range Market Share Analysis

8. INDONESIA ELECTRIC MOTORCYCLE MARKET OUTLOOK

8.1. Market Size & Forecast

8.1.1. By Volume and Value

8.2. Market Share & Forecast

8.2.1. By Battery Type Market Share Analysis

8.2.2. By Voltage Capacity Market Share Analysis

8.2.3. By Battery Capacity Market Share Analysis

8.2.4. By Range Market Share Analysis

9. MARKET DYNAMICS

9.1. Market Drivers

9.2. Market Challenges

10. MARKET TRENDS & DEVELOPMENTS

10.1. Private Investor Interest

10.2. Rising Demand from Corporate & Logistics

10.3. Urbanization and Support from Automobile Sector

10.4. Growing Internet User In the Market

10.5. Growing Market Penetration Due to Addition of Market Players

11. PORTER'S FIVE FORCES MODEL

11.1. Competitive Rivalry

11.2. Bargaining Power of Buyers

11.3. Bargaining Power of Suppliers

11.4. Threat of New Entrants

11.5. Threat of Substitutes

12. POLICY & REGULATORY LANDSCAPE

13. SUPPLY CHAIN ANALYSIS

14. INDONESIA ECONOMIC PROFILE

15. COMPETITIVE LANDSCAPE

15.1. Competition Outlook (Up To 10 Major Companies)

15.1.1. Shandong Incalcu Electric Co., Ltd

15.1.1.1. Company Details

15.1.1.2. Products & Services

15.1.1.3. Recent Development

15.1.1.4. Key Management Personnel

15.1.2. PT Smoot Motor Indonesia

- 15.1.2.1. Company Details
- 15.1.2.2. Products & Services
- 15.1.2.3. Recent Development
- 15.1.2.4. Key Management Personnel
- 15.1.3. Zero Motorcycle, Inc
 - 15.1.3.1. Company Details
 - 15.1.3.2. Products & Services
 - 15.1.3.3. Recent Development
 - 15.1.3.4. Key Management Personnel
- 15.1.4. Segway Inc.
 - 15.1.4.1. Company Details
 - 15.1.4.2. Products & Services
 - 15.1.4.3. Recent Development
 - 15.1.4.4. Key Management Personnel
- 15.1.5. Selis (PT Juara Bike)
 - 15.1.5.1. Company Details
 - 15.1.5.2. Products & Services
 - 15.1.5.3. Recent Development
 - 15.1.5.4. Key Management Personnel
- 15.1.6. Niu Indonesia
 - 15.1.6.1. Company Details
 - 15.1.6.2. Products & Services
 - 15.1.6.3. Recent Development
 - 15.1.6.4. Key Management Personnel
- 15.1.7. Garansindo Electric Scooter ITS
 - 15.1.7.1. Company Details
 - 15.1.7.2. Products & Services
 - 15.1.7.3. Recent Development
 - 15.1.7.4. Key Management Personnel
- 15.1.8. Volta Indonesia Semesta
 - 15.1.8.1. Company Details
 - 15.1.8.2. Products & Services
 - 15.1.8.3. Recent Development
 - 15.1.8.4. Key Management Personnel
- 15.1.9. Segway Inc
 - 15.1.9.1. Company Details
 - 15.1.9.2. Products & Services
 - 15.1.9.3. Recent Development
 - 15.1.9.4. Key Management Personnel

15.1.10. Yadea Technology Group Co. Ltd.

15.1.10.1. Company Details

15.1.10.2. Products & Services

15.1.10.3. Recent Development

15.1.10.4. Key Management Personnel

16. STRATEGIC RECOMMENDATIONS/ACTION PLAN

16.1. Key Focus Areas

16.1.1. Target Regions

16.1.2. Target Vehicle Type

16.1.3. Target Battery Type

17. ABOUT US & DISCLAIMER

(Note: The companies list can be customized based on the client requirements.)

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