

India 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 & Opportunities, 2018-2028F

<https://marketpublishers.com/r/I8BDA9C39FAEN.html>

Date: October 2022

Pages: 72

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

ID: I8BDA9C39FAEN

Abstracts

India electric two-wheeler market is anticipated to grow at a CAGR of 29.07% during the forecast period to reach USD1,028.04 million by 2028. Anticipated growth in the market can be attributed to increasing initiatives toward green energy coupled with central and state subsidies. Rapidly increasing development of charging stations, road infrastructure and increase in battery capacity will lead to the growth of India electric two-wheeler market in the upcoming years.

India has recognized the need to bring down pollution levels produced by automobiles. Thus, the government of India is speeding up the acceptance of electric two-wheelers in the market by providing various central and state subsidies. Electric two-wheelers do not have an internal combustion engine. Instead, they have rechargeable battery, which in many cases is removable. India electric two-wheeler market is majorly divided into scooter/moped and motorcycle, and it is dominated by the scooter/moped segment (non-registered low speed electric two-wheelers are not considered). A considerable number of electric two-wheeler manufacturers are financing greatly in the research and development sector to develop a more efficient battery with additional performance per

charge with lesser charging time. Furthermore, factors such as ease of travel, comfort, efficiency, low operating cost, etc., have increased the demand for electric two-wheelers.

The COVID-19 outbreak made an impact on public health and led to economic crisis across the world. Production and supply chain was severely impacted by the pandemic. The supply of lithium-ion batteries got disturbed due to restrictions imposed by the government of India on shipments coming from China, resulting in stagnant sales of electric two-wheelers compared to the year 2020. According to the Society of Manufacturers of Electric Vehicles (SMEV), the government is taking initiatives for faster adoption of electric vehicles. Due to the lockdown imposed by the government to prevent the spread of COVID-19, almost all the automotive sectors, including factories, showrooms and workshops, were closed, witnessing a monumental decline in overall production and overall sales of automobiles, although sales of electric two-wheelers have increased due to their rise in popularity among young generation.

Government Initiatives and Environmental Consciousness

In recent years, a shift towards green energy and advanced lithium-ion-based electric two-wheelers has been noticed. Despite the increase in demand and sales of electric two-wheelers, there are several factors which restrict the growth of the segment. As per a study, current prices of electric two-wheelers are higher than their ICE counterpart with similar performance. Accordingly, for faster adoption of electric vehicles government is providing subsidies under the FAME II scheme and independent state EV policies. Other factors include increasing supply of essential components, declining battery cell prices in conflict with rising fossil fuel prices, public awareness, and acceptability.

Reduction in Cost of Ownership

Electric vehicles can contribute to the reduction in air pollution, carbon emission and oil dependency in India. Due to fewer moving parts compared to ICE vehicles, electric two-wheeler requires less maintenance service cost and overall, less running cost. Also, electric two-wheelers provide a better performance range per charge compared to the same amount of fuel in ICE vehicles. Electric two-wheeler manufacturers, along with emerging players, are increasing the competition while reducing the cost of ownership in the market with their technologically advanced products, which is expected to aid the growth even further in upcoming years. In India, around 50% of the middle-class population considers intra-city travel for their daily need while keeping minimal cost.

A Shift towards Advanced Technology

In this technological era, constant innovation and technological advancement are driving the automotive sector. Advancement in automotive technologies brings artificial intelligence, more comfort, and advanced features such as brake assistance, anti-theft system, reverse driving for parking assistance etc., high-capacity travel range, less charging time, less maintenance, reduced complexity, and efficiency to the vehicle. The adoption of lithium-ion battery is increasing as it provides more reliable features compared to lead acid battery.

Market Segmentation

India Electric Two-Wheeler market is segmented on the basis of vehicle type, battery type, voltage capacity, battery capacity, range, region and company. Based on vehicle type, the market is segmented into scooter/moped, motorcycle, by battery type into lead acid, lithium-ion, by voltage capacity into 48-59V, 60-72V, 73-96V by battery capacity into 2.5 KWh, by range into 150 km. The Scooter/Moped segment majorly dominates the India Electric Two-Wheeler Market based on vehicle type, as there are a wide range of electric scooters/moped available to customers with less overall cost than motorcycles. Based on battery type, the Lithium-Ion battery segment dominates the segment as they have higher effective capacity and less charging time than lead-acid batteries.

Company Profiles

Hero Electric Vehicles Pvt. Ltd., Okinawa Autotech Pvt. Ltd., Greaves Electric Mobility Pvt. Ltd., Ather Energy Pvt. Ltd., PuREnergy Pvt. Ltd., Ola Electric Technologies Pvt. Ltd., TVS Motor Company Ltd., Revolt Intellicorp Private Limited, Bajaj Auto Ltd., etc. are among the major market players in India electric two-wheeler market.

Report Scope:

In this report, India electric two-wheeler market has been segmented into following categories, in addition to the industry trends which have also been detailed below:

India Electric Two-Wheeler Market, By Vehicle Type:

Scooter/Moped

Motorcycle

India Electric Two-Wheeler Market, By Battery Type:

Lithium-Ion

Lead Acid

India Electric Two-Wheeler Market, By Voltage Capacity:

48-59 V

60-72 V

73-96 V

India Electric Two-Wheeler Market, By Battery Capacity:

2.5 KWh

India Electric Two-Wheeler Market, By Range:

50-100 km

101-150 km

>150 km

Contents

1. PRODUCT OVERVIEW

2. RESEARCH METHODOLOGY

3. EXECUTIVE SUMMARY

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

5. VOICE OF CUSTOMERS

5.1. Factors Influencing Purchase Decision

5.2. Brand Recall

5.3. Brand Satisfaction Level

5.4. Challenges and Unmet Needs

6. INDIA ELECTRIC TWO-WHEELER MARKET OUTLOOK

6.1. Market Size & Forecast

6.1.1. By Volume & Value

6.2. Market Share & Forecast

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

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

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

6.2.4. By Battery Capacity (2.5 kWh)

6.2.5. By Range (150 km)

6.2.6. By Region

6.2.7. By Company (2022)

6.3. Market Map (By Vehicle Type, By Battery Type, By Voltage Capacity, By Battery Capacity, By Range, By Region)

7. INDIA ELECTRIC SCOOTER/MOPED MARKET OUTLOOK

7.1. Market Size & Forecast

7.1.1. By Volume & Value

7.2. Market Share & Forecast

7.2.1. By Battery Type

7.2.2. By Voltage Capacity

7.2.3. By Battery Capacity

7.2.4. By Range

8. INDIA ELECTRIC MOTORCYCLE MARKET OUTLOOK

8.1. Market Size & Forecast

8.1.1. By Volume & Value

8.2. Market Share & Forecast

8.2.1. By Battery Type

8.2.2. By Voltage Capacity

8.2.3. By Battery Capacity

8.2.4. By Range

9. MARKET DYNAMICS

9.1. Drivers

9.2. Challenges

10. MARKET TRENDS AND DEVELOPMENTS

11. PRODUCT BENCHMARKING AND PRICING ANALYSIS

12. COST BENEFIT ANALYSIS OF ELECTRIC TWO-WHEELER VS ICE TWO-WHEELER

13. SUPPLY CHAIN ANALYSIS

14. POLICY & REGULATORY LANDSCAPE

15. INDIA ECONOMIC PROFILE

16. COMPETITIVE LANDSCAPE

16.1. Hero Electric Vehicles Pvt. Ltd.

16.2. Okinawa Autotech Pvt. Ltd.

16.3. Greaves Electric Mobility Pvt. Ltd.

16.4. Ather Energy Pvt. Ltd.

16.5. PurEnergy Pvt. Ltd.

16.6. Ola Electric Technologies Pvt. Ltd.

- 16.7. TVS Motor Company Ltd.
- 16.8. Revolt Intellicorp Pvt. Ltd.
- 16.9. Benling India Energy and Technology Pvt. Ltd.
- 16.10. Bajaj Auto Ltd.

17. STRATEGIC RECOMMENDATIONS

18. ABOUT US & DISCLAIMER

Note: The data given for any year represents the market during the period, i.e., 1st April of the previous year to 31st March of that year. eg: For 2022E, the data represents the period, 1st April 2021 to 31st March 2022

List Of Figures

LIST OF FIGURES

Figure 1: India Electric Two-Wheeler Market Size, By Volume (Thousand Units) and Value (USD Million), 2018-2028F

Figure 2: India Electric Two-Wheeler Market Share, By Vehicle Type, By Volume, 2018-2028F

Figure 3: India Electric Two-Wheeler Market Share, By Battery Type, By Volume, 2018-2028F

Figure 4: India Electric Two-Wheeler Market Share, By Voltage Capacity, By Volume, 2018-2028F

Figure 5: India Electric Two-Wheeler Market Share, By Battery Capacity, By Volume, 2018-2028F

Figure 6: India Electric Two-Wheeler Market Share, By Range, By Volume, 2018-2028F

Figure 7: India Electric Two-Wheeler Market Share, By Region, By Volume, 2018-2028F

Figure 8: India Electric Two-Wheeler Market Share, By Company, By Volume, 2022

Figure 9: India Electric Two-Wheeler Market Map, By Vehicle Type, Market Size (Thousand Units) & Growth Rate (%)

Figure 10: India Electric Two-Wheeler Market Map, By Battery Type Market Size (Thousand Units) & Growth Rate (%)

Figure 11: India Electric Two-Wheeler Market Map, By Voltage Capacity, Market Size (Thousand Units) & Growth Rate (%)

Figure 12: India Electric Two-Wheeler Market Map, By Battery Capacity, Market Size (Thousand Units) & Growth Rate (%)

Figure 13: India Electric Two-Wheeler Market Map, By Range, Market Size (Thousand Units) & Growth Rate (%)

Figure 14: India Electric Two-Wheeler Market Map, By Region, Market Size (Thousand Units) & Growth Rate (%)

Figure 15: India Electric Scooter/Moped Market Size, By Volume (Thousand Units) and Value (USD Million), 2018-2028F

Figure 16: India Electric Scooter/Moped Market Share, By Battery Type, By Volume, 2018-2028F

Figure 17: India Electric Scooter/Moped Market Share, By Voltage Capacity, By Volume, 2018-2028F

Figure 18: India Electric Scooter/Moped Market Share, By Battery Capacity, By Volume, 2018-2028F

Figure 19: India Electric Scooter/Moped Market Share, By Range, By Volume, 2018-2028F

Figure 20: India Electric Motorcycle Market Size, By Volume (Thousand Units) and Value (USD Million), 2018-2028F

Figure 21: India Electric Motorcycle Market Share, By Battery Type, By Volume, 2018-2028F

Figure 22: India Electric Motorcycle Market Share, By Voltage Capacity, By Volume, 2018-2028F

Figure 23: India Electric Motorcycle Market Share, By Battery Capacity, By Volume, 2018-2028F

Figure 24: India Electric Motorcycle Market Share, By Range, By Volume, 2018-2028F

I would like to order

Product name: India 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 kWh, 2–2.5 kWh, > 2.5 kWh), By Range (<50 km, 50–100 km, 101–150 km, >150 km), By Region, Competition, Forecast & Opportunities, 2018-2028F

Product link: <https://marketpublishers.com/r/l8BDA9C39FAEN.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

Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/l8BDA9C39FAEN.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