2035 Outlook for the Global Electric Motorcycle Industry

Competitive focus is on product development capabilities that meet market needs and cost reductions for profitability

- ◆Electric motorcycle sales and production trends and projection until 2035
- ◆Production, sales and exports activities of leading electric motorcycle makers
- ♦Introduction of local charging infrastructure development and core electric motorcycle models
- ◆Overview of local purchase and production support measures of electric motorcycles







- Publication date: August 20, 2024
- Format: PDF A4 size 144 pages
- Price: 1,980 USD (Tax applies if purchased within Japan.

The current daily exchange rate applies if purchased in another currency.)

Sales of electric motorcycles in 29 countries around the world, as calculated by FOURIN, reached a record high of 8.92 million units in 2021. However, demand dropped to 8.27 million units in 2022 and to 8.05 million units in 2023, decreasing for two consecutive years. The decline in sales was due to a drop in demand in China, which accounts for more than 80% of global electric motorcycle sales. Sales increased in China following the introduction of new standards on electric two wheelers in 2019 and the outbreak of COVID-19 in 2020 which raised demand for personal mobility. However, from 2022 onward, replacement demand has begun to subside and has shifted to cheaper electric bicycles due to the economic downturn caused by the real estate recession. As a result, electric motorcycle sales dropped from 8.34 million units in 2021 to 7.04 million units in 2022 and to 6.47 million units in 2023.

On the other hand, in India, which has introduced FAME II, a measure to accelerate the spread and production of electric vehicles, sales of electric motorcycles increased by 230,000 units compared to the previous year to 860,000 units in 2023 due to soaring gasoline prices and a series of new product launches. Additionally, in Thailand and Indonesia, which have introduced subsidies for the purchase of electric vehicles, demand for electric motorcycles is on the rise, with annual sales of around 20,000 units.

In Europe, as part of efforts toward carbon neutrality, subsidies for the purchase of electric motorcycles and tax incentives have been launched. In the coming years, in addition to stricter exhaust gas regulations, the ratio of electric vehicles is expected to increase significantly due to stricter regulations on driving internal combustion engine vehicles in urban areas.

The global electric motorcycle market is expected to grow toward 2035 due to increased demand in India, ASEAN, Europe, and elsewhere, but sales are expected to decline in China after 2030 due to declining birthrate and aging population. Under these circumstances, major Chinese electric vehicle manufacturers such as Yadea, AIMA, and Luyuan are building state-of-the-art smart factories equipped with the latest equipment and digital technology and focusing on product development that incorporates the latest battery and motor technologies that reduce costs and improve electricity consumption efficiency. They are also working to strengthen and expand their overseas business, mainly in Europe and ASEAN. In addition, Japan's Honda Motor, the world's largest motorcycle manufacturer, will ramp up its electric vehicle business in earnest by launching factories dedicated to electric motorcycles in India and Indonesia around 2027.



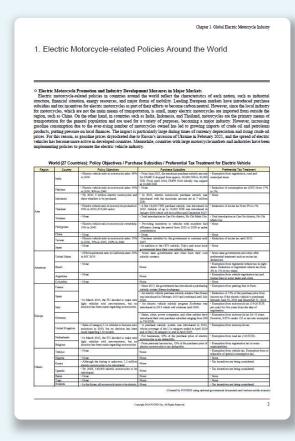
Contents

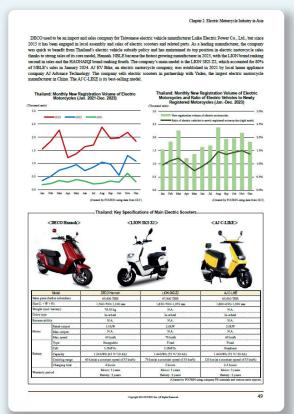
1. Electric Motorcycle Industry	
♦ Electric Motorcycle Promotion and Industry Development Measures in Major Markets······	
2. Global Electric Motorcycle Market Trends and Outlook for 2035·····	4
♦ China Accounts for 80% of Global Electric Motorcycle Sales, but India / ASEAN's Share to Surpass 50% in	
3. Global Electric Motorcycle Industry Trends and Outlook for 2035·····	
♦ China's Global Electric Motorcycle Production to Drop Toward 2035, While India / ASEAN to See Expansion	
Chapter 2. Electric Motorcycle Industry in Asia·····	11
1. India: New Policies and Domestic Production Are Keys to Growth·····	12
♦ FAME II Accelerates the Popularization and Production of Electric Vehicles·····	
♦ Ola Electric Mobility Led Sales in 2023 for the Second Consecutive Year·····	19
♦ Electric Motorcycle Production Capacity Stood at 3.44 million Units in 2023······	23
♦ Local Companies Are Actively Entering the Electric Parts Sector·····	25
♦ Charging Infrastructure Is Under Development Mainly in High Income Areas·····	28
♦ Future Development Depends on New Policies Covering Biofuels and Local EV Parts Production	29
2. Pakistan: Demand for Electric Vehicles Is Limited Due to Emphasis on Asset Value of Motorcycles·····	32
\diamondsuit Fifty Percent Electric Vehicle Ratio Is Aimed in the Motorcycle Market by 2030 \cdots	32
♦ Nearly Two Dozen Manufacturers Are Licensed to Make Electric Motorcycles·····	
♦ Creation of Electric Motorcycle Market Continues, but Honda Dominates with Outstanding Asset	34
3. Indonesia: Limited Demand for Electric Vehicles; High Dependency on Chinese Products·····	36
\diamondsuit Policies Aimed at Building an Electric Vehicle Ecosystem Are Becoming More Active \cdots	
\Diamond Introduction of Purchase Subsidies Stimulates the Launch of New Products, but Electric Motorcycle Demand	
♦ Local Assembly Plans for Electric Motorcycles Are Underway, but Localization of Core Electric Parts Is Unr	
♦ Electric Motorcycle Sales to Reach 1.2 million Units in 2035, Production to Rise to 1.1 Million Units	
4. Thailand: Demand for Electric Vehicles Is Small Due to Market Structure, Unclear Product Value · · · · · · · · · · · · · · · · · · ·	
Promoting the Electric Vehicle Industry for Energy Security, Carbon Neutrality, and Innovation-based Econor	ny 46
♦ Electric Motorcycle Sales Doubled in 2023 to Over 20,000 Units·····	
♦ Moderate Demand Growth Is Expected Owing to Brand Power and Convenience·····	52
5. Vietnam: Purchase Subsidy System for Electric Motorcycles Has Yet to Be Introduced	
♦ Motorcycle Driving Regulations Scheduled to Be Introduced in Urban Areas in 2030·····	
♦ Mopeds Dominate the Electric Motorcycle Market Led by Battery Rental Company VinFast···········	
♦ VinFast Leads the Electric Motorcycle Industry amid Strong Demand for Honda's Gasoline Products·····	
6. Philippines: Demand for L3 Electric Motorcycles Is Increasing but Mainly for Commercial Use	
♦ Focusing on Fuel Efficiency to Reduce Energy Consumption in the Short Term	
♦ Chinese Players Are Increasing Their Presence in the Philippines, but Demand Has Yet to Expand · · · · · · · · · · · · · · · · · · ·	
♦ Sales of Mainly Chinese and Taiwanese Brands Are Expected to Reach 200,000 Units in 2035······7. China: Chinese Brands Dominate the Domestic Market······	
 China: Chinese Brands Dominate the Domestic Market 	
♦ CCCM Member Manufacturers' Electric Motorcycle Sales Reached 6.5 Million Units in 2023······	
♦ Electric Motorcycle Manufacturers Began to Build Smart Factories	
♦ Electric Motorcycle Manufacturers Aim to Reduce Costs with Graphene and Sodium-ion Batteries	
♦ Domestic Demand Is Expected to Decline Toward 2035, but Production Will Increase Driven by Overseas Bu	
8. Taiwan: All-solid-state Batteries to Lead to New Growth in Electric Motorcycle Sales······	
♦ New Roadmap Sets a 100% Electrification Target for New Motorcycle Sales in 2040······	
♦ Electric Motorcycle Sales to Continue to Account for Around 10% of All Motorcycle Sales · · · · · · · · · · · · · · · · · · ·	
♦ Local Manufacturers to Start Full-scale Overseas Business from 2024······	
Secoming a Global Production Base of Electric Motorcycles Could Be Achieved Through Realizing	
Mass Production of Solid-state Batteries and Cost Reduction	86
9. Japan: Slow Advancement of Electric Vehicle Business by Motorcycle Manufacturers	
♦ Few Eligible Electric Motorcycle Models for Purchasing Subsidies	88
♦ Motorcycle Makers Pay Little Attention to the Electric Vehicle Sector······	

Contents (cont.)

Chapter 3. Electric Motorcycle Industry in the Americas	92
1. United States: Electric Vehicle Sales Are Expected to Grow from 2028 Onward Supported by ZEV Regulations	93 ons · · · · 94 · · · · 97 ons · · · · · 98 ons · · · · · 101 ons · · · · · 101 ons · · · · · 102 ons · · · · · 105 ons · · · · · 105
Chapter 4. Electric Motorcycle Industry in Europe······	109
1. France: Demand for EVs to Increase Due to Restrictions on ICEVs······	110
♦ Purchasing Subsidies and Preferential Treatment in Urban Areas Promote Electric Motorcycle Use·····	
♦ Following Weakening Sales in 2023-2024, Demand Is Expected to Expand from 2025·····	
2. Spain: High Prices and High Youth Unemployment Rate Are the Bottlenecks to Expanding Demand for Electric Vehicles	
♦ Purchase Subsidy for Electric Motorcycles to End in July 2024; Subsidy Payment to Be Sped Up·····	114
♦ Manufacturers Struggle with Attracting Private Demand·····	115
3. Italy: Electric Vehicle Share Is Expected to Increase in the Long Term······	
♦ Electric Motorcycle Purchase Subsidy Is Scheduled to Run Until 2026······	
♦ Sales of Electric Motorcycles Decreased by 25% in 2023 Despite the Availability of Subsidies · · · · · · · · · · · · · · · · · · ·	
4. Germany: Electric Vehicle Sales Remain Low As Motorcycle Market Is Dominated by Products for Leisure Activities	
\diamondsuit No Subsidies Introduced for Electric Motorcycles by the Federal Government \cdots	
♦ Sales of Electric Motorcycles Surged in 2022 Due to GHG Bonus, but Declined Sharply from 2023 · · · · · · · · · · · · · · · · · · ·	
5. United Kingdom: Zero Emissions for All L Category Vehicles Is Under Consideration by 2035	
♦ Category L1 Vehicles to Become Zero Emission by 2030·····	
♦ The Future of Zero Emission Products in the L3 Category Is Uncertain·····	127
6. Other European Countries: Electrification of Mopeds Progresses in the Netherlands and Belgium······	
♦ Introduction of Low-emission Zones Is Expanding in Europe·····	
\diamondsuit L1e Electric Vehicle Ratio Is 60% in Belgium and 40% in the Netherlands \cdots	133
Chapter 5. Electric Motorcycle Industry in Other Regions	…134
1 Täukina (Tunkan) Nam Warran Drivers Are Bushing He Dominal Co. Blacker, M.	105
Türkiye (Turkey): New Women Drivers Are Pushing Up Demand for Electric Motorcycles ♦ Electric Motorcycles Receive Little Government Support	
♦ Possibility to Become an Export Hub to the EU Is Growing	
Possibility to Become an Export Hub to the EU is Growing	
2. African Countries: Promoting the Electrification of Motorcycle Taxis Is Gaining Momentum · · · · · · · · · · · · · · · · · · ·	
♦ Electrification of Motorcycle Taxis is Intended to Reduce Gasoline Import ♦ Rising Interest in Swappable-battery Motorcycle Taxis	
✓ KISING INTEREST IN SWAPPADIE-DATTERY MOTORCYCIE 1 AXIS······	143

Sample Pages





how to order

visit aaa.fourin.com/order

or

use the order form below

2035 Outlook for the Global Electric Motorcycle Industry

Price: 1,980 USD

(Tax applies if purchased within Japan. The current daily exchange rate applies if purchased in another currency.)

Complete and fax this form to 052-789-1147. We will then send you an invoice by email on the next business day (Japan standard time). Thank you!

Company	
Department	
Address	
Phone	
E-mail	
Name	Position
Message	

292 Sakuragaoka, Chikusa ward, Nagoya city, JAPAN 464-0025 Phone: 052-789-1101 (drop 0 and add +81 if calling from outside of Japan)

Fax: 052-789-1147 Website: https://aaa.fourin.com Email: info_aaa@fourin.com