

Global Motor Controller for New Energy Vehicle Market Growth 2025-2031

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Abstracts

The global Motor Controller for New Energy Vehicle market size is predicted to grow from US\$ million in 2025 to US\$ million in 2031; it is expected to grow at a CAGR of %from 2025 to 2031.

The impact of the latest U.S. tariff measures and the corresponding policy responses from countries worldwide on market competitiveness, regional economic performance, and supply chain configurations will be comprehensively evaluated in this report.

A motor controller is a device or group of devices that can coordinate in a predetermined manner the performance of an electric motor.[1] A motor controller might include a manual or automatic means for starting and stopping the motor, selecting forward or reverse rotation, selecting and regulating the speed, regulating or limiting the torque, and protecting against overloads and electrical faults.

The main objective of using a motor controller instead of using a simple mechanical switch is to control the speed, start/ stop and rotation of the motor in a more accurate way. The limitation of a mechanical switch is the current limit. A big electric motor can draw up to 30Amp and above were most of the switches are unable to take it. Furthermore we are unable to control the motor speed using pulse-width modulation (PWM). The most common motor controllers in the market are using H-bridge circuit where we are able to control a large motor using a small signal.

LP Information, Inc. (LPI) ' newest research report, the “Motor Controller for New Energy Vehicle Industry Forecast” looks at past sales and reviews total world Motor Controller for New Energy Vehicle sales in 2024, providing a comprehensive analysis by region and market sector of projected Motor Controller for New Energy Vehicle sales for

2025 through 2031. With Motor Controller for New Energy Vehicle sales broken down by region, market sector and sub-sector, this report provides a detailed analysis in US\$ millions of the world Motor Controller for New Energy Vehicle industry.

This Insight Report provides a comprehensive analysis of the global Motor Controller for New Energy Vehicle landscape and highlights key trends related to product segmentation, company formation, revenue, and market share, latest development, and M&A activity. This report also analyzes the strategies of leading global companies with a focus on Motor Controller for New Energy Vehicle portfolios and capabilities, market entry strategies, market positions, and geographic footprints, to better understand these firms' unique position in an accelerating global Motor Controller for New Energy Vehicle market.

This Insight Report evaluates the key market trends, drivers, and affecting factors shaping the global outlook for Motor Controller for New Energy Vehicle and breaks down the forecast by Type, by Application, geography, and market size to highlight emerging pockets of opportunity. With a transparent methodology based on hundreds of bottom-up qualitative and quantitative market inputs, this study forecast offers a highly nuanced view of the current state and future trajectory in the global Motor Controller for New Energy Vehicle.

This report presents a comprehensive overview, market shares, and growth opportunities of Motor Controller for New Energy Vehicle market by product type, application, key manufacturers and key regions and countries.

Segmentation by Type:

DC Motor Controller

AC Motor Controller

Segmentation by Application:

Full Hybrid Electric Vehicle

Mild Hybrid Electric Vehicle

Plug-in-hybrid Electric Vehicle

Pure EV

This report also splits the market by region:

Americas

United States

Canada

Mexico

Brazil

APAC

China

Japan

Korea

Southeast Asia

India

Australia

Europe

Germany

France

UK

Italy

Russia

Middle East & Africa

Egypt

South Africa

Israel

Turkey

GCC Countries

The below companies that are profiled have been selected based on inputs gathered from primary experts and analysing the company's coverage, product portfolio, its market penetration.

Continental

Delphi

Bosch

Denso

Sevcon

Siemens

Texas Instruments

Toyota Industries

Mitsubishi Electric

BYD

AMC

Fuji Electric

Hitachi Automotive

Air International Thermal Systems

Metric Mind

Key Questions Addressed in this Report

What is the 10-year outlook for the global Motor Controller for New Energy Vehicle market?

What factors are driving Motor Controller for New Energy Vehicle market growth, globally and by region?

Which technologies are poised for the fastest growth by market and region?

How do Motor Controller for New Energy Vehicle market opportunities vary by end market size?

How does Motor Controller for New Energy Vehicle break out by Type, by Application?

Contents

1 SCOPE OF THE REPORT

- 1.1 Market Introduction
- 1.2 Years Considered
- 1.3 Research Objectives
- 1.4 Market Research Methodology
- 1.5 Research Process and Data Source
- 1.6 Economic Indicators
- 1.7 Currency Considered
- 1.8 Market Estimation Caveats

2 EXECUTIVE SUMMARY

2.1 World Market Overview

- 2.1.1 Global Motor Controller for New Energy Vehicle Annual Sales 2020-2031
- 2.1.2 World Current & Future Analysis for Motor Controller for New Energy Vehicle by Geographic Region, 2020, 2024 & 2031
- 2.1.3 World Current & Future Analysis for Motor Controller for New Energy Vehicle by Country/Region, 2020, 2024 & 2031

2.2 Motor Controller for New Energy Vehicle Segment by Type

- 2.2.1 DC Motor Controller
- 2.2.2 AC Motor Controller

2.3 Motor Controller for New Energy Vehicle Sales by Type

- 2.3.1 Global Motor Controller for New Energy Vehicle Sales Market Share by Type (2020-2025)
- 2.3.2 Global Motor Controller for New Energy Vehicle Revenue and Market Share by Type (2020-2025)
- 2.3.3 Global Motor Controller for New Energy Vehicle Sale Price by Type (2020-2025)

2.4 Motor Controller for New Energy Vehicle Segment by Application

- 2.4.1 Full Hybrid Electric Vehicle
- 2.4.2 Mild Hybrid Electric Vehicle
- 2.4.3 Plug-in-hybrid Electric Vehicle
- 2.4.4 Pure EV

2.5 Motor Controller for New Energy Vehicle Sales by Application

- 2.5.1 Global Motor Controller for New Energy Vehicle Sale Market Share by Application (2020-2025)
- 2.5.2 Global Motor Controller for New Energy Vehicle Revenue and Market Share by

Application (2020-2025)

2.5.3 Global Motor Controller for New Energy Vehicle Sale Price by Application (2020-2025)

3 GLOBAL BY COMPANY

3.1 Global Motor Controller for New Energy Vehicle Breakdown Data by Company

3.1.1 Global Motor Controller for New Energy Vehicle Annual Sales by Company (2020-2025)

3.1.2 Global Motor Controller for New Energy Vehicle Sales Market Share by Company (2020-2025)

3.2 Global Motor Controller for New Energy Vehicle Annual Revenue by Company (2020-2025)

3.2.1 Global Motor Controller for New Energy Vehicle Revenue by Company (2020-2025)

3.2.2 Global Motor Controller for New Energy Vehicle Revenue Market Share by Company (2020-2025)

3.3 Global Motor Controller for New Energy Vehicle Sale Price by Company

3.4 Key Manufacturers Motor Controller for New Energy Vehicle Producing Area Distribution, Sales Area, Product Type

3.4.1 Key Manufacturers Motor Controller for New Energy Vehicle Product Location Distribution

3.4.2 Players Motor Controller for New Energy Vehicle Products Offered

3.5 Market Concentration Rate Analysis

3.5.1 Competition Landscape Analysis

3.5.2 Concentration Ratio (CR3, CR5 and CR10) & (2023-2025)

3.6 New Products and Potential Entrants

3.7 Market M&A Activity & Strategy

4 WORLD HISTORIC REVIEW FOR MOTOR CONTROLLER FOR NEW ENERGY VEHICLE BY GEOGRAPHIC REGION

4.1 World Historic Motor Controller for New Energy Vehicle Market Size by Geographic Region (2020-2025)

4.1.1 Global Motor Controller for New Energy Vehicle Annual Sales by Geographic Region (2020-2025)

4.1.2 Global Motor Controller for New Energy Vehicle Annual Revenue by Geographic Region (2020-2025)

4.2 World Historic Motor Controller for New Energy Vehicle Market Size by

Country/Region (2020-2025)

4.2.1 Global Motor Controller for New Energy Vehicle Annual Sales by Country/Region (2020-2025)

4.2.2 Global Motor Controller for New Energy Vehicle Annual Revenue by Country/Region (2020-2025)

4.3 Americas Motor Controller for New Energy Vehicle Sales Growth

4.4 APAC Motor Controller for New Energy Vehicle Sales Growth

4.5 Europe Motor Controller for New Energy Vehicle Sales Growth

4.6 Middle East & Africa Motor Controller for New Energy Vehicle Sales Growth

5 AMERICAS

5.1 Americas Motor Controller for New Energy Vehicle Sales by Country

5.1.1 Americas Motor Controller for New Energy Vehicle Sales by Country (2020-2025)

5.1.2 Americas Motor Controller for New Energy Vehicle Revenue by Country (2020-2025)

5.2 Americas Motor Controller for New Energy Vehicle Sales by Type (2020-2025)

5.3 Americas Motor Controller for New Energy Vehicle Sales by Application (2020-2025)

5.4 United States

5.5 Canada

5.6 Mexico

5.7 Brazil

6 APAC

6.1 APAC Motor Controller for New Energy Vehicle Sales by Region

6.1.1 APAC Motor Controller for New Energy Vehicle Sales by Region (2020-2025)

6.1.2 APAC Motor Controller for New Energy Vehicle Revenue by Region (2020-2025)

6.2 APAC Motor Controller for New Energy Vehicle Sales by Type (2020-2025)

6.3 APAC Motor Controller for New Energy Vehicle Sales by Application (2020-2025)

6.4 China

6.5 Japan

6.6 South Korea

6.7 Southeast Asia

6.8 India

6.9 Australia

6.10 China Taiwan

7 EUROPE

7.1 Europe Motor Controller for New Energy Vehicle by Country

7.1.1 Europe Motor Controller for New Energy Vehicle Sales by Country (2020-2025)

7.1.2 Europe Motor Controller for New Energy Vehicle Revenue by Country (2020-2025)

7.2 Europe Motor Controller for New Energy Vehicle Sales by Type (2020-2025)

7.3 Europe Motor Controller for New Energy Vehicle Sales by Application (2020-2025)

7.4 Germany

7.5 France

7.6 UK

7.7 Italy

7.8 Russia

8 MIDDLE EAST & AFRICA

8.1 Middle East & Africa Motor Controller for New Energy Vehicle by Country

8.1.1 Middle East & Africa Motor Controller for New Energy Vehicle Sales by Country (2020-2025)

8.1.2 Middle East & Africa Motor Controller for New Energy Vehicle Revenue by Country (2020-2025)

8.2 Middle East & Africa Motor Controller for New Energy Vehicle Sales by Type (2020-2025)

8.3 Middle East & Africa Motor Controller for New Energy Vehicle Sales by Application (2020-2025)

8.4 Egypt

8.5 South Africa

8.6 Israel

8.7 Turkey

8.8 GCC Countries

9 MARKET DRIVERS, CHALLENGES AND TRENDS

9.1 Market Drivers & Growth Opportunities

9.2 Market Challenges & Risks

9.3 Industry Trends

10 MANUFACTURING COST STRUCTURE ANALYSIS

- 10.1 Raw Material and Suppliers
- 10.2 Manufacturing Cost Structure Analysis of Motor Controller for New Energy Vehicle
- 10.3 Manufacturing Process Analysis of Motor Controller for New Energy Vehicle
- 10.4 Industry Chain Structure of Motor Controller for New Energy Vehicle

11 MARKETING, DISTRIBUTORS AND CUSTOMER

- 11.1 Sales Channel
 - 11.1.1 Direct Channels
 - 11.1.2 Indirect Channels
- 11.2 Motor Controller for New Energy Vehicle Distributors
- 11.3 Motor Controller for New Energy Vehicle Customer

12 WORLD FORECAST REVIEW FOR MOTOR CONTROLLER FOR NEW ENERGY VEHICLE BY GEOGRAPHIC REGION

- 12.1 Global Motor Controller for New Energy Vehicle Market Size Forecast by Region
 - 12.1.1 Global Motor Controller for New Energy Vehicle Forecast by Region (2026-2031)
 - 12.1.2 Global Motor Controller for New Energy Vehicle Annual Revenue Forecast by Region (2026-2031)
- 12.2 Americas Forecast by Country (2026-2031)
- 12.3 APAC Forecast by Region (2026-2031)
- 12.4 Europe Forecast by Country (2026-2031)
- 12.5 Middle East & Africa Forecast by Country (2026-2031)
- 12.6 Global Motor Controller for New Energy Vehicle Forecast by Type (2026-2031)
- 12.7 Global Motor Controller for New Energy Vehicle Forecast by Application (2026-2031)

13 KEY PLAYERS ANALYSIS

- 13.1 Continental
 - 13.1.1 Continental Company Information
 - 13.1.2 Continental Motor Controller for New Energy Vehicle Product Portfolios and Specifications
 - 13.1.3 Continental Motor Controller for New Energy Vehicle Sales, Revenue, Price and Gross Margin (2020-2025)
 - 13.1.4 Continental Main Business Overview

- 13.1.5 Continental Latest Developments
- 13.2 Delphi
 - 13.2.1 Delphi Company Information
 - 13.2.2 Delphi Motor Controller for New Energy Vehicle Product Portfolios and Specifications
 - 13.2.3 Delphi Motor Controller for New Energy Vehicle Sales, Revenue, Price and Gross Margin (2020-2025)
 - 13.2.4 Delphi Main Business Overview
 - 13.2.5 Delphi Latest Developments
- 13.3 Bosch
 - 13.3.1 Bosch Company Information
 - 13.3.2 Bosch Motor Controller for New Energy Vehicle Product Portfolios and Specifications
 - 13.3.3 Bosch Motor Controller for New Energy Vehicle Sales, Revenue, Price and Gross Margin (2020-2025)
 - 13.3.4 Bosch Main Business Overview
 - 13.3.5 Bosch Latest Developments
- 13.4 Denso
 - 13.4.1 Denso Company Information
 - 13.4.2 Denso Motor Controller for New Energy Vehicle Product Portfolios and Specifications
 - 13.4.3 Denso Motor Controller for New Energy Vehicle Sales, Revenue, Price and Gross Margin (2020-2025)
 - 13.4.4 Denso Main Business Overview
 - 13.4.5 Denso Latest Developments
- 13.5 Sevcon
 - 13.5.1 Sevcon Company Information
 - 13.5.2 Sevcon Motor Controller for New Energy Vehicle Product Portfolios and Specifications
 - 13.5.3 Sevcon Motor Controller for New Energy Vehicle Sales, Revenue, Price and Gross Margin (2020-2025)
 - 13.5.4 Sevcon Main Business Overview
 - 13.5.5 Sevcon Latest Developments
- 13.6 Siemens
 - 13.6.1 Siemens Company Information
 - 13.6.2 Siemens Motor Controller for New Energy Vehicle Product Portfolios and Specifications
 - 13.6.3 Siemens Motor Controller for New Energy Vehicle Sales, Revenue, Price and Gross Margin (2020-2025)

- 13.6.4 Siemens Main Business Overview
- 13.6.5 Siemens Latest Developments
- 13.7 Texas Instruments
 - 13.7.1 Texas Instruments Company Information
 - 13.7.2 Texas Instruments Motor Controller for New Energy Vehicle Product Portfolios and Specifications
 - 13.7.3 Texas Instruments Motor Controller for New Energy Vehicle Sales, Revenue, Price and Gross Margin (2020-2025)
 - 13.7.4 Texas Instruments Main Business Overview
 - 13.7.5 Texas Instruments Latest Developments
- 13.8 Toyota Industries
 - 13.8.1 Toyota Industries Company Information
 - 13.8.2 Toyota Industries Motor Controller for New Energy Vehicle Product Portfolios and Specifications
 - 13.8.3 Toyota Industries Motor Controller for New Energy Vehicle Sales, Revenue, Price and Gross Margin (2020-2025)
 - 13.8.4 Toyota Industries Main Business Overview
 - 13.8.5 Toyota Industries Latest Developments
- 13.9 Mitsubishi Electric
 - 13.9.1 Mitsubishi Electric Company Information
 - 13.9.2 Mitsubishi Electric Motor Controller for New Energy Vehicle Product Portfolios and Specifications
 - 13.9.3 Mitsubishi Electric Motor Controller for New Energy Vehicle Sales, Revenue, Price and Gross Margin (2020-2025)
 - 13.9.4 Mitsubishi Electric Main Business Overview
 - 13.9.5 Mitsubishi Electric Latest Developments
- 13.10 BYD
 - 13.10.1 BYD Company Information
 - 13.10.2 BYD Motor Controller for New Energy Vehicle Product Portfolios and Specifications
 - 13.10.3 BYD Motor Controller for New Energy Vehicle Sales, Revenue, Price and Gross Margin (2020-2025)
 - 13.10.4 BYD Main Business Overview
 - 13.10.5 BYD Latest Developments
- 13.11 AMC
 - 13.11.1 AMC Company Information
 - 13.11.2 AMC Motor Controller for New Energy Vehicle Product Portfolios and Specifications
 - 13.11.3 AMC Motor Controller for New Energy Vehicle Sales, Revenue, Price and

Gross Margin (2020-2025)

13.11.4 AMC Main Business Overview

13.11.5 AMC Latest Developments

13.12 Fuji Electric

13.12.1 Fuji Electric Company Information

13.12.2 Fuji Electric Motor Controller for New Energy Vehicle Product Portfolios and Specifications

13.12.3 Fuji Electric Motor Controller for New Energy Vehicle Sales, Revenue, Price and Gross Margin (2020-2025)

13.12.4 Fuji Electric Main Business Overview

13.12.5 Fuji Electric Latest Developments

13.13 Hitachi Automotive

13.13.1 Hitachi Automotive Company Information

13.13.2 Hitachi Automotive Motor Controller for New Energy Vehicle Product Portfolios and Specifications

13.13.3 Hitachi Automotive Motor Controller for New Energy Vehicle Sales, Revenue, Price and Gross Margin (2020-2025)

13.13.4 Hitachi Automotive Main Business Overview

13.13.5 Hitachi Automotive Latest Developments

13.14 Air International Thermal Systems

13.14.1 Air International Thermal Systems Company Information

13.14.2 Air International Thermal Systems Motor Controller for New Energy Vehicle Product Portfolios and Specifications

13.14.3 Air International Thermal Systems Motor Controller for New Energy Vehicle Sales, Revenue, Price and Gross Margin (2020-2025)

13.14.4 Air International Thermal Systems Main Business Overview

13.14.5 Air International Thermal Systems Latest Developments

13.15 Metric Mind

13.15.1 Metric Mind Company Information

13.15.2 Metric Mind Motor Controller for New Energy Vehicle Product Portfolios and Specifications

13.15.3 Metric Mind Motor Controller for New Energy Vehicle Sales, Revenue, Price and Gross Margin (2020-2025)

13.15.4 Metric Mind Main Business Overview

13.15.5 Metric Mind Latest Developments

14 RESEARCH FINDINGS AND CONCLUSION

List Of Tables

LIST OF TABLES

Table 1. Motor Controller for New Energy Vehicle Annual Sales CAGR by Geographic Region (2020, 2024 & 2031) & (\$ millions)

Table 2. Motor Controller for New Energy Vehicle Annual Sales CAGR by Country/Region (2020, 2024 & 2031) & (\$ millions)

Table 3. Major Players of DC Motor Controller

Table 4. Major Players of AC Motor Controller

Table 5. Global Motor Controller for New Energy Vehicle Sales by Type (2020-2025) & (Units)

Table 6. Global Motor Controller for New Energy Vehicle Sales Market Share by Type (2020-2025)

Table 7. Global Motor Controller for New Energy Vehicle Revenue by Type (2020-2025) & (\$ million)

Table 8. Global Motor Controller for New Energy Vehicle Revenue Market Share by Type (2020-2025)

Table 9. Global Motor Controller for New Energy Vehicle Sale Price by Type (2020-2025) & (USD/Unit)

Table 10. Global Motor Controller for New Energy Vehicle Sale by Application (2020-2025) & (Units)

Table 11. Global Motor Controller for New Energy Vehicle Sale Market Share by Application (2020-2025)

Table 12. Global Motor Controller for New Energy Vehicle Revenue by Application (2020-2025) & (\$ million)

Table 13. Global Motor Controller for New Energy Vehicle Revenue Market Share by Application (2020-2025)

Table 14. Global Motor Controller for New Energy Vehicle Sale Price by Application (2020-2025) & (USD/Unit)

Table 15. Global Motor Controller for New Energy Vehicle Sales by Company (2020-2025) & (Units)

Table 16. Global Motor Controller for New Energy Vehicle Sales Market Share by Company (2020-2025)

Table 17. Global Motor Controller for New Energy Vehicle Revenue by Company (2020-2025) & (\$ millions)

Table 18. Global Motor Controller for New Energy Vehicle Revenue Market Share by Company (2020-2025)

Table 19. Global Motor Controller for New Energy Vehicle Sale Price by Company

(2020-2025) & (USD/Unit)

Table 20. Key Manufacturers Motor Controller for New Energy Vehicle Producing Area Distribution and Sales Area

Table 21. Players Motor Controller for New Energy Vehicle Products Offered

Table 22. Motor Controller for New Energy Vehicle Concentration Ratio (CR3, CR5 and CR10) & (2023-2025)

Table 23. New Products and Potential Entrants

Table 24. Market M&A Activity & Strategy

Table 25. Global Motor Controller for New Energy Vehicle Sales by Geographic Region (2020-2025) & (Units)

Table 26. Global Motor Controller for New Energy Vehicle Sales Market Share Geographic Region (2020-2025)

Table 27. Global Motor Controller for New Energy Vehicle Revenue by Geographic Region (2020-2025) & (\$ millions)

Table 28. Global Motor Controller for New Energy Vehicle Revenue Market Share by Geographic Region (2020-2025)

Table 29. Global Motor Controller for New Energy Vehicle Sales by Country/Region (2020-2025) & (Units)

Table 30. Global Motor Controller for New Energy Vehicle Sales Market Share by Country/Region (2020-2025)

Table 31. Global Motor Controller for New Energy Vehicle Revenue by Country/Region (2020-2025) & (\$ millions)

Table 32. Global Motor Controller for New Energy Vehicle Revenue Market Share by Country/Region (2020-2025)

Table 33. Americas Motor Controller for New Energy Vehicle Sales by Country (2020-2025) & (Units)

Table 34. Americas Motor Controller for New Energy Vehicle Sales Market Share by Country (2020-2025)

Table 35. Americas Motor Controller for New Energy Vehicle Revenue by Country (2020-2025) & (\$ millions)

Table 36. Americas Motor Controller for New Energy Vehicle Sales by Type (2020-2025) & (Units)

Table 37. Americas Motor Controller for New Energy Vehicle Sales by Application (2020-2025) & (Units)

Table 38. APAC Motor Controller for New Energy Vehicle Sales by Region (2020-2025) & (Units)

Table 39. APAC Motor Controller for New Energy Vehicle Sales Market Share by Region (2020-2025)

Table 40. APAC Motor Controller for New Energy Vehicle Revenue by Region

(2020-2025) & (\$ millions)

Table 41. APAC Motor Controller for New Energy Vehicle Sales by Type (2020-2025) & (Units)

Table 42. APAC Motor Controller for New Energy Vehicle Sales by Application (2020-2025) & (Units)

Table 43. Europe Motor Controller for New Energy Vehicle Sales by Country (2020-2025) & (Units)

Table 44. Europe Motor Controller for New Energy Vehicle Revenue by Country (2020-2025) & (\$ millions)

Table 45. Europe Motor Controller for New Energy Vehicle Sales by Type (2020-2025) & (Units)

Table 46. Europe Motor Controller for New Energy Vehicle Sales by Application (2020-2025) & (Units)

Table 47. Middle East & Africa Motor Controller for New Energy Vehicle Sales by Country (2020-2025) & (Units)

Table 48. Middle East & Africa Motor Controller for New Energy Vehicle Revenue Market Share by Country (2020-2025)

Table 49. Middle East & Africa Motor Controller for New Energy Vehicle Sales by Type (2020-2025) & (Units)

Table 50. Middle East & Africa Motor Controller for New Energy Vehicle Sales by Application (2020-2025) & (Units)

Table 51. Key Market Drivers & Growth Opportunities of Motor Controller for New Energy Vehicle

Table 52. Key Market Challenges & Risks of Motor Controller for New Energy Vehicle

Table 53. Key Industry Trends of Motor Controller for New Energy Vehicle

Table 54. Motor Controller for New Energy Vehicle Raw Material

Table 55. Key Suppliers of Raw Materials

Table 56. Motor Controller for New Energy Vehicle Distributors List

Table 57. Motor Controller for New Energy Vehicle Customer List

Table 58. Global Motor Controller for New Energy Vehicle Sales Forecast by Region (2026-2031) & (Units)

Table 59. Global Motor Controller for New Energy Vehicle Revenue Forecast by Region (2026-2031) & (\$ millions)

Table 60. Americas Motor Controller for New Energy Vehicle Sales Forecast by Country (2026-2031) & (Units)

Table 61. Americas Motor Controller for New Energy Vehicle Annual Revenue Forecast by Country (2026-2031) & (\$ millions)

Table 62. APAC Motor Controller for New Energy Vehicle Sales Forecast by Region (2026-2031) & (Units)

Table 63. APAC Motor Controller for New Energy Vehicle Annual Revenue Forecast by Region (2026-2031) & (\$ millions)

Table 64. Europe Motor Controller for New Energy Vehicle Sales Forecast by Country (2026-2031) & (Units)

Table 65. Europe Motor Controller for New Energy Vehicle Revenue Forecast by Country (2026-2031) & (\$ millions)

Table 66. Middle East & Africa Motor Controller for New Energy Vehicle Sales Forecast by Country (2026-2031) & (Units)

Table 67. Middle East & Africa Motor Controller for New Energy Vehicle Revenue Forecast by Country (2026-2031) & (\$ millions)

Table 68. Global Motor Controller for New Energy Vehicle Sales Forecast by Type (2026-2031) & (Units)

Table 69. Global Motor Controller for New Energy Vehicle Revenue Forecast by Type (2026-2031) & (\$ millions)

Table 70. Global Motor Controller for New Energy Vehicle Sales Forecast by Application (2026-2031) & (Units)

Table 71. Global Motor Controller for New Energy Vehicle Revenue Forecast by Application (2026-2031) & (\$ millions)

Table 72. Continental Basic Information, Motor Controller for New Energy Vehicle Manufacturing Base, Sales Area and Its Competitors

Table 73. Continental Motor Controller for New Energy Vehicle Product Portfolios and Specifications

Table 74. Continental Motor Controller for New Energy Vehicle Sales (Units), Revenue (\$ Million), Price (USD/Unit) and Gross Margin (2020-2025)

Table 75. Continental Main Business

Table 76. Continental Latest Developments

Table 77. Delphi Basic Information, Motor Controller for New Energy Vehicle Manufacturing Base, Sales Area and Its Competitors

Table 78. Delphi Motor Controller for New Energy Vehicle Product Portfolios and Specifications

Table 79. Delphi Motor Controller for New Energy Vehicle Sales (Units), Revenue (\$ Million), Price (USD/Unit) and Gross Margin (2020-2025)

Table 80. Delphi Main Business

Table 81. Delphi Latest Developments

Table 82. Bosch Basic Information, Motor Controller for New Energy Vehicle Manufacturing Base, Sales Area and Its Competitors

Table 83. Bosch Motor Controller for New Energy Vehicle Product Portfolios and Specifications

Table 84. Bosch Motor Controller for New Energy Vehicle Sales (Units), Revenue (\$

Million), Price (USD/Unit) and Gross Margin (2020-2025)

Table 85. Bosch Main Business

Table 86. Bosch Latest Developments

Table 87. Denso Basic Information, Motor Controller for New Energy Vehicle Manufacturing Base, Sales Area and Its Competitors

Table 88. Denso Motor Controller for New Energy Vehicle Product Portfolios and Specifications

Table 89. Denso Motor Controller for New Energy Vehicle Sales (Units), Revenue (\$ Million), Price (USD/Unit) and Gross Margin (2020-2025)

Table 90. Denso Main Business

Table 91. Denso Latest Developments

Table 92. Sevcon Basic Information, Motor Controller for New Energy Vehicle Manufacturing Base, Sales Area and Its Competitors

Table 93. Sevcon Motor Controller for New Energy Vehicle Product Portfolios and Specifications

Table 94. Sevcon Motor Controller for New Energy Vehicle Sales (Units), Revenue (\$ Million), Price (USD/Unit) and Gross Margin (2020-2025)

Table 95. Sevcon Main Business

Table 96. Sevcon Latest Developments

Table 97. Siemens Basic Information, Motor Controller for New Energy Vehicle Manufacturing Base, Sales Area and Its Competitors

Table 98. Siemens Motor Controller for New Energy Vehicle Product Portfolios and Specifications

Table 99. Siemens Motor Controller for New Energy Vehicle Sales (Units), Revenue (\$ Million), Price (USD/Unit) and Gross Margin (2020-2025)

Table 100. Siemens Main Business

Table 101. Siemens Latest Developments

Table 102. Texas Instruments Basic Information, Motor Controller for New Energy Vehicle Manufacturing Base, Sales Area and Its Competitors

Table 103. Texas Instruments Motor Controller for New Energy Vehicle Product Portfolios and Specifications

Table 104. Texas Instruments Motor Controller for New Energy Vehicle Sales (Units), Revenue (\$ Million), Price (USD/Unit) and Gross Margin (2020-2025)

Table 105. Texas Instruments Main Business

Table 106. Texas Instruments Latest Developments

Table 107. Toyota Industries Basic Information, Motor Controller for New Energy Vehicle Manufacturing Base, Sales Area and Its Competitors

Table 108. Toyota Industries Motor Controller for New Energy Vehicle Product Portfolios and Specifications

Table 109. Toyota Industries Motor Controller for New Energy Vehicle Sales (Units), Revenue (\$ Million), Price (USD/Unit) and Gross Margin (2020-2025)

Table 110. Toyota Industries Main Business

Table 111. Toyota Industries Latest Developments

Table 112. Mitsubishi Electric Basic Information, Motor Controller for New Energy Vehicle Manufacturing Base, Sales Area and Its Competitors

Table 113. Mitsubishi Electric Motor Controller for New Energy Vehicle Product Portfolios and Specifications

Table 114. Mitsubishi Electric Motor Controller for New Energy Vehicle Sales (Units), Revenue (\$ Million), Price (USD/Unit) and Gross Margin (2020-2025)

Table 115. Mitsubishi Electric Main Business

Table 116. Mitsubishi Electric Latest Developments

Table 117. BYD Basic Information, Motor Controller for New Energy Vehicle Manufacturing Base, Sales Area and Its Competitors

Table 118. BYD Motor Controller for New Energy Vehicle Product Portfolios and Specifications

Table 119. BYD Motor Controller for New Energy Vehicle Sales (Units), Revenue (\$ Million), Price (USD/Unit) and Gross Margin (2020-2025)

Table 120. BYD Main Business

Table 121. BYD Latest Developments

Table 122. AMC Basic Information, Motor Controller for New Energy Vehicle Manufacturing Base, Sales Area and Its Competitors

Table 123. AMC Motor Controller for New Energy Vehicle Product Portfolios and Specifications

Table 124. AMC Motor Controller for New Energy Vehicle Sales (Units), Revenue (\$ Million), Price (USD/Unit) and Gross Margin (2020-2025)

Table 125. AMC Main Business

Table 126. AMC Latest Developments

Table 127. Fuji Electric Basic Information, Motor Controller for New Energy Vehicle Manufacturing Base, Sales Area and Its Competitors

Table 128. Fuji Electric Motor Controller for New Energy Vehicle Product Portfolios and Specifications

Table 129. Fuji Electric Motor Controller for New Energy Vehicle Sales (Units), Revenue (\$ Million), Price (USD/Unit) and Gross Margin (2020-2025)

Table 130. Fuji Electric Main Business

Table 131. Fuji Electric Latest Developments

Table 132. Hitachi Automotive Basic Information, Motor Controller for New Energy Vehicle Manufacturing Base, Sales Area and Its Competitors

Table 133. Hitachi Automotive Motor Controller for New Energy Vehicle Product

Portfolios and Specifications

Table 134. Hitachi Automotive Motor Controller for New Energy Vehicle Sales (Units), Revenue (\$ Million), Price (USD/Unit) and Gross Margin (2020-2025)

Table 135. Hitachi Automotive Main Business

Table 136. Hitachi Automotive Latest Developments

Table 137. Air International Thermal Systems Basic Information, Motor Controller for New Energy Vehicle Manufacturing Base, Sales Area and Its Competitors

Table 138. Air International Thermal Systems Motor Controller for New Energy Vehicle Product Portfolios and Specifications

Table 139. Air International Thermal Systems Motor Controller for New Energy Vehicle Sales (Units), Revenue (\$ Million), Price (USD/Unit) and Gross Margin (2020-2025)

Table 140. Air International Thermal Systems Main Business

Table 141. Air International Thermal Systems Latest Developments

Table 142. Metric Mind Basic Information, Motor Controller for New Energy Vehicle Manufacturing Base, Sales Area and Its Competitors

Table 143. Metric Mind Motor Controller for New Energy Vehicle Product Portfolios and Specifications

Table 144. Metric Mind Motor Controller for New Energy Vehicle Sales (Units), Revenue (\$ Million), Price (USD/Unit) and Gross Margin (2020-2025)

Table 145. Metric Mind Main Business

Table 146. Metric Mind Latest Developments

List Of Figures

LIST OF FIGURES

Figure 1. Picture of Motor Controller for New Energy Vehicle

Figure 2. Motor Controller for New Energy Vehicle Report Years Considered

Figure 3. Research Objectives

Figure 4. Research Methodology

Figure 5. Research Process and Data Source

Figure 6. Global Motor Controller for New Energy Vehicle Sales Growth Rate 2020-2031 (Units)

Figure 7. Global Motor Controller for New Energy Vehicle Revenue Growth Rate 2020-2031 (\$ millions)

Figure 8. Motor Controller for New Energy Vehicle Sales by Geographic Region (2020, 2024 & 2031) & (\$ millions)

Figure 9. Motor Controller for New Energy Vehicle Sales Market Share by Country/Region (2024)

Figure 10. Motor Controller for New Energy Vehicle Sales Market Share by Country/Region (2020, 2024 & 2031)

Figure 11. Product Picture of DC Motor Controller

Figure 12. Product Picture of AC Motor Controller

Figure 13. Global Motor Controller for New Energy Vehicle Sales Market Share by Type in 2025

Figure 14. Global Motor Controller for New Energy Vehicle Revenue Market Share by Type (2020-2025)

Figure 15. Motor Controller for New Energy Vehicle Consumed in Full Hybrid Electric Vehicle

Figure 16. Global Motor Controller for New Energy Vehicle Market: Full Hybrid Electric Vehicle (2020-2025) & (Units)

Figure 17. Motor Controller for New Energy Vehicle Consumed in Mild Hybrid Electric Vehicle

Figure 18. Global Motor Controller for New Energy Vehicle Market: Mild Hybrid Electric Vehicle (2020-2025) & (Units)

Figure 19. Motor Controller for New Energy Vehicle Consumed in Plug-in-hybrid Electric Vehicle

Figure 20. Global Motor Controller for New Energy Vehicle Market: Plug-in-hybrid Electric Vehicle (2020-2025) & (Units)

Figure 21. Motor Controller for New Energy Vehicle Consumed in Pure EV

Figure 22. Global Motor Controller for New Energy Vehicle Market: Pure EV

(2020-2025) & (Units)

Figure 23. Global Motor Controller for New Energy Vehicle Sale Market Share by Application (2024)

Figure 24. Global Motor Controller for New Energy Vehicle Revenue Market Share by Application in 2025

Figure 25. Motor Controller for New Energy Vehicle Sales by Company in 2025 (Units)

Figure 26. Global Motor Controller for New Energy Vehicle Sales Market Share by Company in 2025

Figure 27. Motor Controller for New Energy Vehicle Revenue by Company in 2025 (\$ millions)

Figure 28. Global Motor Controller for New Energy Vehicle Revenue Market Share by Company in 2025

Figure 29. Global Motor Controller for New Energy Vehicle Sales Market Share by Geographic Region (2020-2025)

Figure 30. Global Motor Controller for New Energy Vehicle Revenue Market Share by Geographic Region in 2025

Figure 31. Americas Motor Controller for New Energy Vehicle Sales 2020-2025 (Units)

Figure 32. Americas Motor Controller for New Energy Vehicle Revenue 2020-2025 (\$ millions)

Figure 33. APAC Motor Controller for New Energy Vehicle Sales 2020-2025 (Units)

Figure 34. APAC Motor Controller for New Energy Vehicle Revenue 2020-2025 (\$ millions)

Figure 35. Europe Motor Controller for New Energy Vehicle Sales 2020-2025 (Units)

Figure 36. Europe Motor Controller for New Energy Vehicle Revenue 2020-2025 (\$ millions)

Figure 37. Middle East & Africa Motor Controller for New Energy Vehicle Sales 2020-2025 (Units)

Figure 38. Middle East & Africa Motor Controller for New Energy Vehicle Revenue 2020-2025 (\$ millions)

Figure 39. Americas Motor Controller for New Energy Vehicle Sales Market Share by Country in 2025

Figure 40. Americas Motor Controller for New Energy Vehicle Revenue Market Share by Country (2020-2025)

Figure 41. Americas Motor Controller for New Energy Vehicle Sales Market Share by Type (2020-2025)

Figure 42. Americas Motor Controller for New Energy Vehicle Sales Market Share by Application (2020-2025)

Figure 43. United States Motor Controller for New Energy Vehicle Revenue Growth 2020-2025 (\$ millions)

Figure 44. Canada Motor Controller for New Energy Vehicle Revenue Growth 2020-2025 (\$ millions)

Figure 45. Mexico Motor Controller for New Energy Vehicle Revenue Growth 2020-2025 (\$ millions)

Figure 46. Brazil Motor Controller for New Energy Vehicle Revenue Growth 2020-2025 (\$ millions)

Figure 47. APAC Motor Controller for New Energy Vehicle Sales Market Share by Region in 2025

Figure 48. APAC Motor Controller for New Energy Vehicle Revenue Market Share by Region (2020-2025)

Figure 49. APAC Motor Controller for New Energy Vehicle Sales Market Share by Type (2020-2025)

Figure 50. APAC Motor Controller for New Energy Vehicle Sales Market Share by Application (2020-2025)

Figure 51. China Motor Controller for New Energy Vehicle Revenue Growth 2020-2025 (\$ millions)

Figure 52. Japan Motor Controller for New Energy Vehicle Revenue Growth 2020-2025 (\$ millions)

Figure 53. South Korea Motor Controller for New Energy Vehicle Revenue Growth 2020-2025 (\$ millions)

Figure 54. Southeast Asia Motor Controller for New Energy Vehicle Revenue Growth 2020-2025 (\$ millions)

Figure 55. India Motor Controller for New Energy Vehicle Revenue Growth 2020-2025 (\$ millions)

Figure 56. Australia Motor Controller for New Energy Vehicle Revenue Growth 2020-2025 (\$ millions)

Figure 57. China Taiwan Motor Controller for New Energy Vehicle Revenue Growth 2020-2025 (\$ millions)

Figure 58. Europe Motor Controller for New Energy Vehicle Sales Market Share by Country in 2025

Figure 59. Europe Motor Controller for New Energy Vehicle Revenue Market Share by Country (2020-2025)

Figure 60. Europe Motor Controller for New Energy Vehicle Sales Market Share by Type (2020-2025)

Figure 61. Europe Motor Controller for New Energy Vehicle Sales Market Share by Application (2020-2025)

Figure 62. Germany Motor Controller for New Energy Vehicle Revenue Growth 2020-2025 (\$ millions)

Figure 63. France Motor Controller for New Energy Vehicle Revenue Growth 2020-2025

(\$ millions)

Figure 64. UK Motor Controller for New Energy Vehicle Revenue Growth 2020-2025 (\$ millions)

Figure 65. Italy Motor Controller for New Energy Vehicle Revenue Growth 2020-2025 (\$ millions)

Figure 66. Russia Motor Controller for New Energy Vehicle Revenue Growth 2020-2025 (\$ millions)

Figure 67. Middle East & Africa Motor Controller for New Energy Vehicle Sales Market Share by Country (2020-2025)

Figure 68. Middle East & Africa Motor Controller for New Energy Vehicle Sales Market Share by Type (2020-2025)

Figure 69. Middle East & Africa Motor Controller for New Energy Vehicle Sales Market Share by Application (2020-2025)

Figure 70. Egypt Motor Controller for New Energy Vehicle Revenue Growth 2020-2025 (\$ millions)

Figure 71. South Africa Motor Controller for New Energy Vehicle Revenue Growth 2020-2025 (\$ millions)

Figure 72. Israel Motor Controller for New Energy Vehicle Revenue Growth 2020-2025 (\$ millions)

Figure 73. Turkey Motor Controller for New Energy Vehicle Revenue Growth 2020-2025 (\$ millions)

Figure 74. GCC Countries Motor Controller for New Energy Vehicle Revenue Growth 2020-2025 (\$ millions)

Figure 75. Manufacturing Cost Structure Analysis of Motor Controller for New Energy Vehicle in 2025

Figure 76. Manufacturing Process Analysis of Motor Controller for New Energy Vehicle

Figure 77. Industry Chain Structure of Motor Controller for New Energy Vehicle

Figure 78. Channels of Distribution

Figure 79. Global Motor Controller for New Energy Vehicle Sales Market Forecast by Region (2026-2031)

Figure 80. Global Motor Controller for New Energy Vehicle Revenue Market Share Forecast by Region (2026-2031)

Figure 81. Global Motor Controller for New Energy Vehicle Sales Market Share Forecast by Type (2026-2031)

Figure 82. Global Motor Controller for New Energy Vehicle Revenue Market Share Forecast by Type (2026-2031)

Figure 83. Global Motor Controller for New Energy Vehicle Sales Market Share Forecast by Application (2026-2031)

Figure 84. Global Motor Controller for New Energy Vehicle Revenue Market Share

Forecast by Application (2026-2031)

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