

Global Mild Hybrid Vehicles Market Size Study & Forecast, by Capacity (Up to 12V, 12V to 24V, More Than 24V), by Vehicle Type (Passenger Cars, Commercial Vehicles), by Battery Type (Lithium Ion, Lead Acid, Others) and Regional Forecasts 2025-2035

<https://marketpublishers.com/r/G7EBCC741664EN.html>

Date: January 2026

Pages: 285

Price: US\$ 3,750.00 (Single User License)

ID: G7EBCC741664EN

Abstracts

The Global Mild Hybrid Vehicles Market was valued at approximately USD 209.54 billion in 2024 and is projected to expand steadily at a CAGR of 4.1% over the forecast period from 2025 to 2035. Mild hybrid vehicles represent a pragmatic bridge between conventional internal combustion engine vehicles and fully electrified platforms, integrating compact electric motors and low-voltage battery systems to support functions such as start-stop, regenerative braking, and torque assistance. Unlike full hybrids, these vehicles do not rely solely on electric propulsion; instead, they subtly enhance fuel efficiency and reduce emissions without disrupting established driving behaviors. The market's upward trajectory is being shaped by tightening emission regulations, rising fuel efficiency mandates, and automakers' strategic intent to electrify portfolios without incurring the high costs associated with full battery-electric vehicles.

The demand momentum has been further fueled by the automotive industry's need to balance regulatory compliance with affordability, especially across mass-market vehicle segments. As governments across major economies roll out stricter CO₂ norms, mild hybrid architectures are being rolled into existing vehicle platforms to quickly improve fleet-average emissions. This cost-effective electrification pathway is gaining traction among manufacturers and consumers alike, particularly in regions where charging infrastructure remains uneven. At the same time, advances in battery chemistry, power electronics, and energy management systems are allowing automakers to squeeze greater efficiency gains out of compact hybrid systems. Nevertheless, the growing push toward fully electric vehicles and plug-in hybrids is expected to exert competitive

pressure on mild hybrids during the latter half of the 2025–2035 forecast horizon.

The detailed segments and sub-segments included in the report are:

By Capacity:

Up to 12V

12V to 24V

More Than 24V

By Vehicle Type:

Passenger Cars

Commercial Vehicles

By Battery Type:

Lithium Ion

Lead Acid

Others

By Region:

North America

U.S.

Canada

Europe

UK

Germany

France

Spain

Italy

Rest of Europe

Asia Pacific

China

India

Japan

South Korea

Australia

Rest of Asia Pacific

Latin America

Brazil

Mexico

Middle East & Africa

UAE

Saudi Arabia

South Africa

Rest of Middle East & Africa

Passenger cars are expected to dominate the Global Mild Hybrid Vehicles Market over the forecast period, accounting for the largest share of total demand. This dominance is underpinned by high global passenger vehicle production volumes and the rapid integration of mild hybrid systems into compact, mid-size, and premium car models. Automakers are increasingly baking in 12V and 48V systems to improve fuel economy and driving comfort without substantially raising vehicle costs. While commercial vehicles are gradually adopting mild hybrid technologies, particularly for urban delivery and logistics applications, passenger cars continue to anchor market growth due to faster adoption cycles and stronger regulatory incentives.

From a revenue perspective, vehicles equipped with lithium-ion batteries currently lead the market, reflecting their superior energy density, longer lifecycle, and compatibility with advanced mild hybrid systems. Lithium-ion batteries have become the preferred choice for higher-capacity configurations, particularly in 24V and above systems, where performance and efficiency gains are more pronounced. Although lead-acid batteries still retain relevance in entry-level and cost-sensitive applications, lithium-ion variants are emerging as both the dominant and fastest-growing battery type, driven by declining costs and continuous technological refinement.

The Global Mild Hybrid Vehicles Market exhibits strong regional variation, with Europe holding a prominent share due to stringent emission regulations and aggressive fleet electrification strategies adopted by automakers. North America follows closely, supported by rising fuel efficiency standards and consumer demand for technologically enhanced vehicles. Asia Pacific is expected to witness the fastest growth over the forecast period, propelled by large-scale vehicle production in China, Japan, and India, coupled with government initiatives promoting low-emission mobility. Meanwhile, Latin America and the Middle East & Africa are gradually opening up new opportunities as regulatory frameworks evolve and automotive electrification gains policy-level support.

Major market players included in this report are:

Toyota Motor Corporation

Volkswagen AG

Honda Motor Co., Ltd.

Hyundai Motor Company

Ford Motor Company

Stellantis N.V.

Mercedes-Benz Group AG

BMW Group

Nissan Motor Co., Ltd.

Kia Corporation

General Motors Company

Renault Group

Suzuki Motor Corporation

Tata Motors Limited

Geely Automobile Holdings Ltd.

Global Mild Hybrid Vehicles Market Report Scope:

Historical Data – 2023, 2024

Base Year for Estimation – 2024

Forecast period - 2025-2035

Report Coverage - Revenue forecast, Company Ranking, Competitive Landscape, Growth factors, and Trends

Regional Scope - North America; Europe; Asia Pacific; Latin America; Middle East & Africa

Customization Scope - Free report customization (equivalent to up to 8 analysts' working hours) with purchase. Addition or alteration to country, regional & segment scope*

The objective of the study is to define market sizes of different segments and countries in recent years and to forecast their values for the coming years. The report is designed to integrate both qualitative insights and quantitative analysis, shedding light on critical growth drivers, structural challenges, and emerging opportunities that will shape the future of the Global Mild Hybrid Vehicles Market. It further delivers a detailed assessment of competitive dynamics and product strategies, enabling stakeholders to identify high-potential micro-markets and make informed, forward-looking investment decisions.

Key Takeaways:

Market estimates and forecasts for 10 years from 2025 to 2035.

Annualized revenues and region-level analysis for each market segment.

In-depth geographical analysis with country-level insights across major regions.

Comprehensive competitive landscape profiling leading market participants.

Strategic evaluation of business approaches and future growth pathways.

Detailed analysis of market structure and competitive intensity.

Holistic demand-side and supply-side assessment of the market.

Contents

CHAPTER 1. GLOBAL MILD HYBRID VEHICLES MARKET REPORT SCOPE & METHODOLOGY

- 1.1. Research Objective
- 1.2. Research Methodology
 - 1.2.1. Forecast Model
 - 1.2.2. Desk Research
 - 1.2.3. Top Down and Bottom-Up Approach
- 1.3. Research Attributes
- 1.4. Scope of the Study
 - 1.4.1. Market Definition
 - 1.4.2. Market Segmentation
- 1.5. Research Assumption
 - 1.5.1. Inclusion & Exclusion
 - 1.5.2. Limitations
 - 1.5.3. Years Considered for the Study

CHAPTER 2. EXECUTIVE SUMMARY

- 2.1. CEO/CXO Standpoint
- 2.2. Strategic Insights
- 2.3. ESG Analysis
- 2.4. key Findings

CHAPTER 3. GLOBAL MILD HYBRID VEHICLES MARKET FORCES ANALYSIS

- 3.1. Market Forces Shaping The Global Mild Hybrid Vehicles Market (2024-2035)
- 3.2. Drivers
 - 3.2.1. tightening emission regulations
 - 3.2.2. rising fuel efficiency mandates
- 3.3. Restraints
 - 3.3.1. push toward fully electric vehicles and plug-in hybrids
- 3.4. Opportunities
 - 3.4.1. advances in battery chemistry, power electronics

CHAPTER 4. GLOBAL MILD HYBRID VEHICLES INDUSTRY ANALYSIS

- 4.1. Porter's 5 Forces Model
 - 4.1.1. Bargaining Power of Buyer
 - 4.1.2. Bargaining Power of Supplier
 - 4.1.3. Threat of New Entrants
 - 4.1.4. Threat of Substitutes
 - 4.1.5. Competitive Rivalry
- 4.2. Porter's 5 Force Forecast Model (2024-2035)
- 4.3. PESTEL Analysis
 - 4.3.1. Political
 - 4.3.2. Economical
 - 4.3.3. Social
 - 4.3.4. Technological
 - 4.3.5. Environmental
 - 4.3.6. Legal
- 4.4. Top Investment Opportunities
- 4.5. Top Winning Strategies (2025)
- 4.6. Market Share Analysis (2024-2025)
- 4.7. Global Pricing Analysis And Trends 2025
- 4.8. Analyst Recommendation & Conclusion

CHAPTER 5. GLOBAL MILD HYBRID VEHICLES MARKET SIZE & FORECASTS BY CAPACITY 2025-2035

- 5.1. Market Overview
- 5.2. Global Mild Hybrid Vehicles Market Performance - Potential Analysis (2025)
- 5.3. Up to 12V
 - 5.3.1. Top Countries Breakdown Estimates & Forecasts, 2024-2035
 - 5.3.2. Market size analysis, by region, 2025-2035
- 5.4. 12V to 24V
 - 5.4.1. Top Countries Breakdown Estimates & Forecasts, 2024-2035
 - 5.4.2. Market size analysis, by region, 2025-2035
- 5.5. More Than 24V
 - 5.5.1. Top Countries Breakdown Estimates & Forecasts, 2024-2035
 - 5.5.2. Market size analysis, by region, 2025-2035

CHAPTER 6. GLOBAL MILD HYBRID VEHICLES MARKET SIZE & FORECASTS BY VEHICLE TYPE 2025-2035

- 6.1. Market Overview

6.2. Global Mild Hybrid Vehicles Market Performance - Potential Analysis (2025)

6.3. Passenger Cars

6.3.1. Top Countries Breakdown Estimates & Forecasts, 2024-2035

6.3.2. Market size analysis, by region, 2025-2035

6.4. Commercial Vehicles

6.4.1. Top Countries Breakdown Estimates & Forecasts, 2024-2035

6.4.2. Market size analysis, by region, 2025-2035

CHAPTER 7. GLOBAL MILD HYBRID VEHICLES MARKET SIZE & FORECASTS BY BATTERY TYPE 2025–2035

7.1. Market Overview

7.2. Global Mild Hybrid Vehicles Market Performance - Potential Analysis (2025)

7.3. Lithium Ion

7.3.1. Top Countries Breakdown Estimates & Forecasts, 2024-2035

7.3.2. Market size analysis, by region, 2025-2035

7.4. Lead Acid

7.4.1. Top Countries Breakdown Estimates & Forecasts, 2024-2035

7.4.2. Market size analysis, by region, 2025-2035

7.5. Others

7.5.1. Top Countries Breakdown Estimates & Forecasts, 2024-2035

7.5.2. Market size analysis, by region, 2025-2035

CHAPTER 8. GLOBAL MILD HYBRID VEHICLES MARKET SIZE & FORECASTS BY REGION 2025–2035

8.1. Growth Mild Hybrid Vehicles Market, Regional Market Snapshot

8.2. Top Leading & Emerging Countries

8.3. North America Mild Hybrid Vehicles Market

8.3.1. U.S. Mild Hybrid Vehicles Market

8.3.1.1. Capacity breakdown size & forecasts, 2025-2035

8.3.1.2. Vehicle Type breakdown size & forecasts, 2025-2035

8.3.1.3. Battery Type breakdown size & forecasts, 2025-2035

8.3.2. Canada Mild Hybrid Vehicles Market

8.3.2.1. Capacity breakdown size & forecasts, 2025-2035

8.3.2.2. Vehicle Type breakdown size & forecasts, 2025-2035

8.3.2.3. Battery Type breakdown size & forecasts, 2025-2035

8.4. Europe Mild Hybrid Vehicles Market

8.4.1. UK Mild Hybrid Vehicles Market

- 8.4.1.1. Capacity breakdown size & forecasts, 2025-2035
- 8.4.1.2. Vehicle Type breakdown size & forecasts, 2025-2035
- 8.4.1.3. Battery Type breakdown size & forecasts, 2025-2035
- 8.4.2. Germany Mild Hybrid Vehicles Market
 - 8.4.2.1. Capacity breakdown size & forecasts, 2025-2035
 - 8.4.2.2. Vehicle Type breakdown size & forecasts, 2025-2035
 - 8.4.2.3. Battery Type breakdown size & forecasts, 2025-2035
- 8.4.3. France Mild Hybrid Vehicles Market
 - 8.4.3.1. Capacity breakdown size & forecasts, 2025-2035
 - 8.4.3.2. Vehicle Type breakdown size & forecasts, 2025-2035
 - 8.4.3.3. Battery Type breakdown size & forecasts, 2025-2035
- 8.4.4. Spain Mild Hybrid Vehicles Market
 - 8.4.4.1. Capacity breakdown size & forecasts, 2025-2035
 - 8.4.4.2. Vehicle Type breakdown size & forecasts, 2025-2035
 - 8.4.4.3. Battery Type breakdown size & forecasts, 2025-2035
- 8.4.5. Italy Mild Hybrid Vehicles Market
 - 8.4.5.1. Capacity breakdown size & forecasts, 2025-2035
 - 8.4.5.2. Vehicle Type breakdown size & forecasts, 2025-2035
 - 8.4.5.3. Battery Type breakdown size & forecasts, 2025-2035
- 8.4.6. Rest of Europe Mild Hybrid Vehicles Market
 - 8.4.6.1. Capacity breakdown size & forecasts, 2025-2035
 - 8.4.6.2. Vehicle Type breakdown size & forecasts, 2025-2035
 - 8.4.6.3. Battery Type breakdown size & forecasts, 2025-2035
- 8.5. Asia Pacific Mild Hybrid Vehicles Market
 - 8.5.1. China Mild Hybrid Vehicles Market
 - 8.5.1.1. Capacity breakdown size & forecasts, 2025-2035
 - 8.5.1.2. Vehicle Type breakdown size & forecasts, 2025-2035
 - 8.5.1.3. Battery Type breakdown size & forecasts, 2025-2035
 - 8.5.2. India Mild Hybrid Vehicles Market
 - 8.5.2.1. Capacity breakdown size & forecasts, 2025-2035
 - 8.5.2.2. Vehicle Type breakdown size & forecasts, 2025-2035
 - 8.5.2.3. Battery Type breakdown size & forecasts, 2025-2035
 - 8.5.3. Japan Mild Hybrid Vehicles Market
 - 8.5.3.1. Capacity breakdown size & forecasts, 2025-2035
 - 8.5.3.2. Vehicle Type breakdown size & forecasts, 2025-2035
 - 8.5.3.3. Battery Type breakdown size & forecasts, 2025-2035
 - 8.5.4. Australia Mild Hybrid Vehicles Market
 - 8.5.4.1. Capacity breakdown size & forecasts, 2025-2035
 - 8.5.4.2. Vehicle Type breakdown size & forecasts, 2025-2035

- 8.5.4.3. Battery Type breakdown size & forecasts, 2025-2035
- 8.5.5. South Korea Mild Hybrid Vehicles Market
 - 8.5.5.1. Capacity breakdown size & forecasts, 2025-2035
 - 8.5.5.2. Vehicle Type breakdown size & forecasts, 2025-2035
 - 8.5.5.3. Battery Type breakdown size & forecasts, 2025-2035
- 8.5.6. Rest of APAC Mild Hybrid Vehicles Market
 - 8.5.6.1. Capacity breakdown size & forecasts, 2025-2035
 - 8.5.6.2. Vehicle Type breakdown size & forecasts, 2025-2035
 - 8.5.6.3. Battery Type breakdown size & forecasts, 2025-2035
- 8.6. Latin America Mild Hybrid Vehicles Market
 - 8.6.1. Brazil Mild Hybrid Vehicles Market
 - 8.6.1.1. Capacity breakdown size & forecasts, 2025-2035
 - 8.6.1.2. Vehicle Type breakdown size & forecasts, 2025-2035
 - 8.6.1.3. Battery Type breakdown size & forecasts, 2025-2035
 - 8.6.2. Mexico Mild Hybrid Vehicles Market
 - 8.6.2.1. Capacity breakdown size & forecasts, 2025-2035
 - 8.6.2.2. Vehicle Type breakdown size & forecasts, 2025-2035
 - 8.6.2.3. Battery Type breakdown size & forecasts, 2025-2035
- 8.7. Middle East and Africa Mild Hybrid Vehicles Market
 - 8.7.1. UAE Mild Hybrid Vehicles Market
 - 8.7.1.1. Capacity breakdown size & forecasts, 2025-2035
 - 8.7.1.2. Vehicle Type breakdown size & forecasts, 2025-2035
 - 8.7.1.3. Battery Type breakdown size & forecasts, 2025-2035
 - 8.7.2. Saudi Arabia (KSA) Mild Hybrid Vehicles Market
 - 8.7.2.1. Capacity breakdown size & forecasts, 2025-2035
 - 8.7.2.2. Vehicle Type breakdown size & forecasts, 2025-2035
 - 8.7.2.3. Battery Type breakdown size & forecasts, 2025-2035
 - 8.7.3. South Africa Mild Hybrid Vehicles Market
 - 8.7.3.1. Capacity breakdown size & forecasts, 2025-2035
 - 8.7.3.2. Vehicle Type breakdown size & forecasts, 2025-2035
 - 8.7.3.3. Battery Type breakdown size & forecasts, 2025-2035

CHAPTER 9. COMPETITIVE INTELLIGENCE

- 9.1. Top Market Strategies
- 9.2. Toyota Motor Corporation
 - 9.2.1. Company Overview
 - 9.2.2. Key Executives
 - 9.2.3. Company Snapshot

- 9.2.4. Financial Performance (Subject to Data Availability)
- 9.2.5. Product/Services Port
- 9.2.6. Recent Development
- 9.2.7. Market Strategies
- 9.2.8. SWOT Analysis
- 9.3. Volkswagen AG
- 9.4. Honda Motor Co., Ltd.
- 9.5. Hyundai Motor Company
- 9.6. Ford Motor Company
- 9.7. Stellantis N.V.
- 9.8. Mercedes-Benz Group AG
- 9.9. BMW Group
- 9.10. Nissan Motor Co., Ltd.
- 9.11. Kia Corporation
- 9.12. General Motors Company
- 9.13. Renault Group
- 9.14. Suzuki Motor Corporation
- 9.15. Tata Motors Limited
- 9.16. Geely Automobile Holdings Ltd.

List Of Tables

LIST OF TABLES

Table 1. Global Mild Hybrid Vehicles Market, Report Scope

Table 2. Global Mild Hybrid Vehicles Market Estimates & Forecasts By Region
2024–2035

Table 3. Global Mild Hybrid Vehicles Market Estimates & Forecasts By Segment
2024–2035

Table 4. Global Mild Hybrid Vehicles Market Estimates & Forecasts By Segment
2024–2035

Table 5. Global Mild Hybrid Vehicles Market Estimates & Forecasts By Segment
2024–2035

Table 6. Global Mild Hybrid Vehicles Market Estimates & Forecasts By Segment
2024–2035

Table 7. Global Mild Hybrid Vehicles Market Estimates & Forecasts By Segment
2024–2035

Table 8. U.S. Mild Hybrid Vehicles Market Estimates & Forecasts, 2024–2035

Table 9. Canada Mild Hybrid Vehicles Market Estimates & Forecasts, 2024–2035

Table 10. UK Mild Hybrid Vehicles Market Estimates & Forecasts, 2024–2035

Table 11. Germany Mild Hybrid Vehicles Market Estimates & Forecasts, 2024–2035

Table 12. France Mild Hybrid Vehicles Market Estimates & Forecasts, 2024–2035

Table 13. Spain Mild Hybrid Vehicles Market Estimates & Forecasts, 2024–2035

Table 14. Italy Mild Hybrid Vehicles Market Estimates & Forecasts, 2024–2035

Table 15. Rest Of Europe Mild Hybrid Vehicles Market Estimates & Forecasts,
2024–2035

Table 16. China Mild Hybrid Vehicles Market Estimates & Forecasts, 2024–2035

Table 17. India Mild Hybrid Vehicles Market Estimates & Forecasts, 2024–2035

Table 18. Japan Mild Hybrid Vehicles Market Estimates & Forecasts, 2024–2035

Table 19. Australia Mild Hybrid Vehicles Market Estimates & Forecasts, 2024–2035

Table 20. South Korea Mild Hybrid Vehicles Market Estimates & Forecasts, 2024–2035

.....

List Of Figures

LIST OF FIGURES

- Fig 1. Global Mild Hybrid Vehicles Market, Research Methodology
- Fig 2. Global Mild Hybrid Vehicles Market, Market Estimation Techniques
- Fig 3. Global Market Size Estimates & Forecast Methods
- Fig 4. Global Mild Hybrid Vehicles Market, Key Trends 2025
- Fig 5. Global Mild Hybrid Vehicles Market, Growth Prospects 2024–2035
- Fig 6. Global Mild Hybrid Vehicles Market, Porter's Five Forces Model
- Fig 7. Global Mild Hybrid Vehicles Market, Pestel Analysis
- Fig 8. Global Mild Hybrid Vehicles Market, Value Chain Analysis
- Fig 9. Mild Hybrid Vehicles Market By Application, 2025 & 2035
- Fig 10. Mild Hybrid Vehicles Market By Segment, 2025 & 2035
- Fig 11. Mild Hybrid Vehicles Market By Segment, 2025 & 2035
- Fig 12. Mild Hybrid Vehicles Market By Segment, 2025 & 2035
- Fig 13. Mild Hybrid Vehicles Market By Segment, 2025 & 2035
- Fig 14. North America Mild Hybrid Vehicles Market, 2025 & 2035
- Fig 15. Europe Mild Hybrid Vehicles Market, 2025 & 2035
- Fig 16. Asia Pacific Mild Hybrid Vehicles Market, 2025 & 2035
- Fig 17. Latin America Mild Hybrid Vehicles Market, 2025 & 2035
- Fig 18. Middle East & Africa Mild Hybrid Vehicles Market, 2025 & 2035
- Fig 19. Global Mild Hybrid Vehicles Market, Company Market Share Analysis (2025)

.....

I would like to order

Product name: Global Mild Hybrid Vehicles Market Size Study & Forecast, by Capacity (Up to 12V, 12V to 24V, More Than 24V), by Vehicle Type (Passenger Cars, Commercial Vehicles), by Battery Type (Lithium Ion, Lead Acid, Others) and Regional Forecasts 2025-2035

Product link: <https://marketpublishers.com/r/G7EBCC741664EN.html>

Price: US\$ 3,750.00 (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/G7EBCC741664EN.html>