

# Global Fuel Cell Vehicle Market Size study, by Vehicle Type (Passenger Cars, LCVs, HCVs) and Regional Forecasts 2022-2028

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## Abstracts

Global Fuel Cell Vehicle Market is valued at approximately USD 1.14 billion in 2021 and is anticipated to grow with a healthy growth rate of more than 49.9 % over the forecast period 2022-2028. A fuel cell is a type of electrochemical reactor that transforms chemical energy and an oxidant into electricity directly. In recent years, the term 'fuel cell' has almost exclusively been used to refer to a reactor that uses hydrogen as its primary energy source. Hydrogen has a long history of being used as a fuel due to its adaptability. The higher efficiency of Fuel Cell Vehicles and shortened refueling time have led to the adoption of Fuel Cell Vehicles across the forecast period. For Instance: as per Statista in 2022, passenger automobiles are the most common type of hydrogen fuel cell vehicle on the road. There were 25,932 such vehicles registered in 2020. Buses came in second, although by a large margin, with 5,648 hydrogen-powered vehicles. The future of the passenger vehicle industry will be dominated by electric vehicles. When hydrogen contained in the vehicle comes into touch with an electrochemical cell, hydrogen fuel cells provide an alternate source of electricity. Also, the increasing market acceptance and investment by private and public players are likely to increase the market growth during the forecast period. However, vehicles powered by hydrogen fuel cells are pricey which may impede the growth of the market over the forecast period of 2022-2028.

The key regions considered for the Global Fuel Cell Vehicle market study include Asia Pacific, North America, Europe, Latin America and Rest of the World. Asia Pacific is the leading region across the world in terms of market share owing to the higher efficiency of Fuel Cell Vehicles coupled with the shortened refueling. Whereas, Europe is also anticipated to exhibit the highest growth rate over the forecast period 2022-2028. Factors such as increasing market acceptance and investment by private and public

players would create lucrative growth prospects for the Fuel Cell Vehicle market across European region.

Major market players included in this report are:

Daimler AG  
Honda Motors Co. Ltd  
Nikola Corporation  
Toyota Motor Corporation  
Hyundai Motor Group  
Ballard Power System Inc.  
Volvo AB  
General Motors  
BMW AG  
Audi AG

The objective of the study is to define market sizes of different segments & countries in recent years and to forecast the values to the coming eight years. The report is designed to incorporate both qualitative and quantitative aspects of the industry within each of the regions and countries involved in the study. Furthermore, the report also caters the detailed information about the crucial aspects such as driving factors & challenges which will define the future growth of the market. Additionally, the report shall also incorporate available opportunities in micro markets for stakeholders to invest along with the detailed analysis of competitive landscape and product offerings of key players. The detailed segments and sub-segment of the market are explained below:

By Vehicle Type:

Passenger Cars

LCVs

HCVs

By Region:

North America

U.S.

Canada

Europe

UK

Germany

France

Spain

Italy

ROE

Asia Pacific  
China  
India  
Japan  
Australia  
South Korea  
RoAPAC  
Latin America  
Brazil  
Mexico  
Rest of the World

Furthermore, years considered for the study are as follows:

Historical year – 2018, 2019, 2020  
Base year – 2021  
Forecast period – 2022 to 2028

Target Audience of the Global Fuel Cell Vehicle Market in Market Study:

Key Consulting Companies & Advisors  
Large, medium-sized, and small enterprises  
Venture capitalists  
Value-Added Resellers (VARs)  
Third-party knowledge providers  
Investment bankers  
Investors

## Contents

### **CHAPTER 1. EXECUTIVE SUMMARY**

- 1.1. Market Snapshot
- 1.2. Global & Segmental Market Estimates & Forecasts, 2020-2028 (USD Billion)
  - 1.2.1. Fuel Cell Vehicle Market, by Region, 2020-2028 (USD Billion)
  - 1.2.2. Fuel Cell Vehicle Market, by Vehicle Type, 2020-2028 (USD Billion)
- 1.3. Key Trends
- 1.4. Estimation Methodology
- 1.5. Research Assumption

### **CHAPTER 2. GLOBAL FUEL CELL VEHICLE MARKET DEFINITION AND SCOPE**

- 2.1. Objective of the Study
- 2.2. Market Definition & Scope
  - 2.2.1. Scope of the Study
  - 2.2.2. Industry Evolution
- 2.3. Years Considered for the Study
- 2.4. Currency Conversion Rates

### **CHAPTER 3. GLOBAL FUEL CELL VEHICLE MARKET DYNAMICS**

- 3.1. Fuel Cell Vehicle Market Impact Analysis (2020-2028)
  - 3.1.1. Market Drivers
    - 3.1.1.1. Higher efficiency
    - 3.1.1.2. Shortened refueling time
  - 3.1.2. Market Challenges
    - 3.1.2.1. Vehicles powered by hydrogen fuel cells are pricey
  - 3.1.3. Market Opportunities
    - 3.1.3.1. Increasing market acceptance and investment by private and public players

### **CHAPTER 4. GLOBAL FUEL CELL VEHICLE MARKET INDUSTRY ANALYSIS**

- 4.1. Porter's 5 Force Model
  - 4.1.1. Bargaining Power of Suppliers
  - 4.1.2. Bargaining Power of Buyers
  - 4.1.3. Threat of New Entrants
  - 4.1.4. Threat of Substitutes

- 4.1.5. Competitive Rivalry
- 4.1.6. Futuristic Approach to Porter's 5 Force Model (2018-2028)
- 4.2. PEST Analysis
  - 4.2.1. Political
  - 4.2.2. Economical
  - 4.2.3. Social
  - 4.2.4. Technological
- 4.3. Investment Adoption Model
- 4.4. Analyst Recommendation & Conclusion
- 4.5. Top investment opportunity
- 4.6. Top winning strategies

## **CHAPTER 5. RISK ASSESSMENT: COVID-19 IMPACT**

- 5.1.1. Assessment of the overall impact of COVID-19 on the industry
- 5.1.2. Pre COVID-19 and post COVID-19 market scenario

## **CHAPTER 6. GLOBAL FUEL CELL VEHICLE MARKET, BY VEHICLE TYPE**

- 6.1. Market Snapshot
- 6.2. Global Fuel Cell Vehicle Market by Vehicle Type, Performance - Potential Analysis
- 6.3. Global Fuel Cell Vehicle Market Estimates & Forecasts by Vehicle Type, 2018-2028 (USD Billion)
- 6.4. Fuel Cell Vehicle Market, Sub Segment Analysis
  - 6.4.1. Passenger Cars
  - 6.4.2. LCVs
  - 6.4.3. HCVs

## **CHAPTER 7. GLOBAL FUEL CELL VEHICLE MARKET, REGIONAL ANALYSIS**

- 7.1. Fuel Cell Vehicle Market, Regional Market Snapshot
- 7.2. North America Fuel Cell Vehicle Market
  - 7.2.1. U.S. Fuel Cell Vehicle Market
    - 7.2.1.1. Vehicle Type breakdown estimates & forecasts, 2018-2028
  - 7.2.2. Canada Fuel Cell Vehicle Market
- 7.3. Europe Fuel Cell Vehicle Market Snapshot
  - 7.3.1. U.K. Fuel Cell Vehicle Market
  - 7.3.2. Germany Fuel Cell Vehicle Market
  - 7.3.3. France Fuel Cell Vehicle Market

- 7.3.4. Spain Fuel Cell Vehicle Market
- 7.3.5. Italy Fuel Cell Vehicle Market
- 7.3.6. Rest of Europe Fuel Cell Vehicle Market
- 7.4. Asia-Pacific Fuel Cell Vehicle Market Snapshot
  - 7.4.1. China Fuel Cell Vehicle Market
  - 7.4.2. India Fuel Cell Vehicle Market
  - 7.4.3. Japan Fuel Cell Vehicle Market
  - 7.4.4. Australia Fuel Cell Vehicle Market
  - 7.4.5. South Korea Fuel Cell Vehicle Market
  - 7.4.6. Rest of Asia Pacific Fuel Cell Vehicle Market
- 7.5. Latin America Fuel Cell Vehicle Market Snapshot
  - 7.5.1. Brazil Fuel Cell Vehicle Market
  - 7.5.2. Mexico Fuel Cell Vehicle Market
- 7.6. Rest of The World Fuel Cell Vehicle Market

## **CHAPTER 8. COMPETITIVE INTELLIGENCE**

- 8.1. Top Market Strategies
- 8.2. Company Profiles
  - 8.2.1. Daimler AG
    - 8.2.1.1. Key Information
    - 8.2.1.2. Overview
    - 8.2.1.3. Financial (Subject to Data Availability)
    - 8.2.1.4. Product Summary
    - 8.2.1.5. Recent Developments
  - 8.2.2. Honda Motors Co. Ltd
  - 8.2.3. Nikola Corporation
  - 8.2.4. Toyota Motor Corporation
  - 8.2.5. Hyundai Motor Group
  - 8.2.6. Ballard Power System Inc.
  - 8.2.7. Volvo AB
  - 8.2.8. General Motors
  - 8.2.9. BMW AG
  - 8.2.10. Audi AG

## **CHAPTER 9. RESEARCH PROCESS**

- 9.1. Research Process
  - 9.1.1. Data Mining

- 9.1.2. Analysis
- 9.1.3. Market Estimation
- 9.1.4. Validation
- 9.1.5. Publishing
- 9.2. Research Attributes
- 9.3. Research Assumption

## List Of Tables

### LIST OF TABLES

TABLE 1. Global Fuel Cell Vehicle market, report scope

TABLE 2. Global Fuel Cell Vehicle market estimates & forecasts by Region 2018-2028 (USD Billion)

TABLE 3. Global Fuel Cell Vehicle market estimates & forecasts by Vehicle Type 2018-2028 (USD Billion)

TABLE 4. Global Fuel Cell Vehicle market by segment, estimates & forecasts, 2018-2028 (USD Billion)

TABLE 5. Global Fuel Cell Vehicle market by region, estimates & forecasts, 2018-2028 (USD Billion)

TABLE 6. Global Fuel Cell Vehicle market by segment, estimates & forecasts, 2018-2028 (USD Billion)

TABLE 7. Global Fuel Cell Vehicle market by region, estimates & forecasts, 2018-2028 (USD Billion)

TABLE 8. Global Fuel Cell Vehicle market by segment, estimates & forecasts, 2018-2028 (USD Billion)

TABLE 9. Global Fuel Cell Vehicle market by region, estimates & forecasts, 2018-2028 (USD Billion)

TABLE 10. Global Fuel Cell Vehicle market by segment, estimates & forecasts, 2018-2028 (USD Billion)

TABLE 11. Global Fuel Cell Vehicle market by region, estimates & forecasts, 2018-2028 (USD Billion)

TABLE 12. Global Fuel Cell Vehicle market by segment, estimates & forecasts, 2018-2028 (USD Billion)

TABLE 13. Global Fuel Cell Vehicle market by region, estimates & forecasts, 2018-2028 (USD Billion)

TABLE 14. U.S. Fuel Cell Vehicle market estimates & forecasts, 2018-2028 (USD Billion)

TABLE 15. U.S. Fuel Cell Vehicle market estimates & forecasts by segment 2018-2028 (USD Billion)

TABLE 16. U.S. Fuel Cell Vehicle market estimates & forecasts by segment 2018-2028 (USD Billion)

TABLE 17. Canada Fuel Cell Vehicle market estimates & forecasts, 2018-2028 (USD Billion)

TABLE 18. Canada Fuel Cell Vehicle market estimates & forecasts by segment 2018-2028 (USD Billion)



TABLE 19. Canada Fuel Cell Vehicle market estimates & forecasts by segment  
2018-2028 (USD Billion)

TABLE 20. UK Fuel Cell Vehicle market estimates & forecasts, 2018-2028 (USD Billion)

TABLE 21. UK Fuel Cell Vehicle market estimates & forecasts by segment 2018-2028  
(USD Billion)

TABLE 22. UK Fuel Cell Vehicle market estimates & forecasts by segment 2018-2028  
(USD Billion)

TABLE 23. Germany Fuel Cell Vehicle market estimates & forecasts, 2018-2028 (USD  
Billion)

TABLE 24. Germany Fuel Cell Vehicle market estimates & forecasts by segment  
2018-2028 (USD Billion)

TABLE 25. Germany Fuel Cell Vehicle market estimates & forecasts by segment  
2018-2028 (USD Billion)

TABLE 26. RoE Fuel Cell Vehicle market estimates & forecasts, 2018-2028 (USD  
Billion)

TABLE 27. RoE Fuel Cell Vehicle market estimates & forecasts by segment 2018-2028  
(USD Billion)

TABLE 28. RoE Fuel Cell Vehicle market estimates & forecasts by segment 2018-2028  
(USD Billion)

TABLE 29. China Fuel Cell Vehicle market estimates & forecasts, 2018-2028 (USD  
Billion)

TABLE 30. China Fuel Cell Vehicle market estimates & forecasts by segment  
2018-2028 (USD Billion)

TABLE 31. China Fuel Cell Vehicle market estimates & forecasts by segment  
2018-2028 (USD Billion)

TABLE 32. India Fuel Cell Vehicle market estimates & forecasts, 2018-2028 (USD  
Billion)

TABLE 33. India Fuel Cell Vehicle market estimates & forecasts by segment 2018-2028  
(USD Billion)

TABLE 34. India Fuel Cell Vehicle market estimates & forecasts by segment 2018-2028  
(USD Billion)

TABLE 35. Japan Fuel Cell Vehicle market estimates & forecasts, 2018-2028 (USD  
Billion)

TABLE 36. Japan Fuel Cell Vehicle market estimates & forecasts by segment  
2018-2028 (USD Billion)

TABLE 37. Japan Fuel Cell Vehicle market estimates & forecasts by segment  
2018-2028 (USD Billion)

TABLE 38. RoAPAC Fuel Cell Vehicle market estimates & forecasts, 2018-2028 (USD  
Billion)

TABLE 39. RoAPAC Fuel Cell Vehicle market estimates & forecasts by segment 2018-2028 (USD Billion)

TABLE 40. RoAPAC Fuel Cell Vehicle market estimates & forecasts by segment 2018-2028 (USD Billion)

TABLE 41. Brazil Fuel Cell Vehicle market estimates & forecasts, 2018-2028 (USD Billion)

TABLE 42. Brazil Fuel Cell Vehicle market estimates & forecasts by segment 2018-2028 (USD Billion)

TABLE 43. Brazil Fuel Cell Vehicle market estimates & forecasts by segment 2018-2028 (USD Billion)

TABLE 44. Mexico Fuel Cell Vehicle market estimates & forecasts, 2018-2028 (USD Billion)

TABLE 45. Mexico Fuel Cell Vehicle market estimates & forecasts by segment 2018-2028 (USD Billion)

TABLE 46. Mexico Fuel Cell Vehicle market estimates & forecasts by segment 2018-2028 (USD Billion)

TABLE 47. RoLA Fuel Cell Vehicle market estimates & forecasts, 2018-2028 (USD Billion)

TABLE 48. RoLA Fuel Cell Vehicle market estimates & forecasts by segment 2018-2028 (USD Billion)

TABLE 49. RoLA Fuel Cell Vehicle market estimates & forecasts by segment 2018-2028 (USD Billion)

TABLE 50. Row Fuel Cell Vehicle market estimates & forecasts, 2018-2028 (USD Billion)

TABLE 51. Row Fuel Cell Vehicle market estimates & forecasts by segment 2018-2028 (USD Billion)

TABLE 52. Row Fuel Cell Vehicle market estimates & forecasts by segment 2018-2028 (USD Billion)

TABLE 53. List of secondary sources, used in the study of Global Fuel Cell Vehicle market

TABLE 54. List of primary sources, used in the study of Global Fuel Cell Vehicle market

TABLE 55. Years considered for the study

TABLE 56. Exchange rates considered

## List Of Figures

### LIST OF FIGURES

- FIG 1. Global Fuel Cell Vehicle market, research methodology
- FIG 2. Global Fuel Cell Vehicle market, market estimation techniques
- FIG 3. Global market size estimates & forecast methods
- FIG 4. Global Fuel Cell Vehicle market, key trends 2021
- FIG 5. Global Fuel Cell Vehicle market, growth prospects 2022-2028
- FIG 6. Global Fuel Cell Vehicle market, porters 5 force model
- FIG 7. Global Fuel Cell Vehicle market, pest analysis
- FIG 8. Global Fuel Cell Vehicle market, value chain analysis
- FIG 9. Global Fuel Cell Vehicle market by segment, 2018 & 2028 (USD Billion)
- FIG 10. Global Fuel Cell Vehicle market by segment, 2018 & 2028 (USD Billion)
- FIG 11. Global Fuel Cell Vehicle market by segment, 2018 & 2028 (USD Billion)
- FIG 12. Global Fuel Cell Vehicle market by segment, 2018 & 2028 (USD Billion)
- FIG 13. Global Fuel Cell Vehicle market by segment, 2018 & 2028 (USD Billion)
- FIG 14. Global Fuel Cell Vehicle market, regional snapshot 2018 & 2028
- FIG 15. North America Fuel Cell Vehicle market 2018 & 2028 (USD Billion)
- FIG 16. Europe Fuel Cell Vehicle market 2018 & 2028 (USD Billion)
- FIG 17. Asia Pacific Fuel Cell Vehicle market 2018 & 2028 (USD Billion)
- FIG 18. Latin America Fuel Cell Vehicle market 2018 & 2028 (USD Billion)
- FIG 19. Global Fuel Cell Vehicle market, company market share analysis (2021)

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