

Global PEMFC and Fuel Cell Electric Vehicle Market by Size, by Type, by Application, by Region, History and Forecast 2019-2030

<https://marketpublishers.com/r/GF300CDCADA2EN.html>

Date: April 2024

Pages: 197

Price: US\$ 3,950.00 (Single User License)

ID: GF300CDCADA2EN

Abstracts

Summary

Proton-exchange membrane fuel cells, also known as polymer electrolyte membrane (PEM) fuel cells (PEMFC), are a type of fuel cell being developed mainly for transport applications, as well as for stationary fuel-cell applications and portable fuel-cell applications. Their distinguishing features include lower temperature/pressure ranges (50 to 100 °C) and a special proton-conducting polymer electrolyte membrane. PEMFCs generate electricity and operate on the opposite principle to PEM electrolysis, which consumes electricity. They are a leading candidate to replace the aging alkaline fuel-cell technology, which was used in the Space Shuttle. In China market, the PEMFC is mainly used in automotive.

According to APO Research, The global PEMFC and Fuel Cell Electric Vehicle market is projected to grow from US\$ million in 2024 to US\$ million by 2030, at a Compound Annual Growth Rate (CAGR) of % during the forecast period.

The US & Canada market for PEMFC and Fuel Cell Electric Vehicle is estimated to increase from \$ million in 2024 to reach \$ million by 2030, at a CAGR of % during the forecast period of 2025 through 2030.

Asia-Pacific market for PEMFC and Fuel Cell Electric Vehicle is estimated to increase from \$ million in 2024 to reach \$ million by 2030, at a CAGR of % during the forecast period of 2025 through 2030.

The China market for PEMFC and Fuel Cell Electric Vehicle is estimated to increase

from \$ million in 2024 to reach \$ million by 2030, at a CAGR of % during the forecast period of 2025 through 2030.

Europe market for PEMFC and Fuel Cell Electric Vehicle is estimated to increase from \$ million in 2024 to reach \$ million by 2030, at a CAGR of % during the forecast period of 2025 through 2030.

The major global manufacturers of PEMFC and Fuel Cell Electric Vehicle include Ballard, Shenli Hi-Tech, Sunrise Power, Pearl Hydrogen, Wuhan WUT, Foton, FeiChi Bus, SAIC and Dongfeng, etc. In 2023, the world's top three vendors accounted for approximately % of the revenue.

In terms of production side, this report researches the PEMFC and Fuel Cell Electric Vehicle production, growth rate, market share by manufacturers and by region (region level and country level), from 2019 to 2024, and forecast to 2030.

In terms of consumption side, this report focuses on the sales of PEMFC and Fuel Cell Electric Vehicle by region (region level and country level), by company, by type and by application. from 2019 to 2024 and forecast to 2030.

This report presents an overview of global market for PEMFC and Fuel Cell Electric Vehicle, capacity, output, revenue and price. Analyses of the global market trends, with historic market revenue or sales data for 2019 - 2023, estimates for 2024, and projections of CAGR through 2030.

This report researches the key producers of PEMFC and Fuel Cell Electric Vehicle, also provides the consumption of main regions and countries. Of the upcoming market potential for PEMFC and Fuel Cell Electric Vehicle, and key regions or countries of focus to forecast this market into various segments and sub-segments. Country specific data and market value analysis for the U.S., Canada, Mexico, Brazil, China, Japan, South Korea, Southeast Asia, India, Germany, the U.K., Italy, Middle East, Africa, and Other Countries.

This report focuses on the PEMFC and Fuel Cell Electric Vehicle sales, revenue, market share and industry ranking of main manufacturers, data from 2019 to 2024. Identification of the major stakeholders in the global PEMFC and Fuel Cell Electric Vehicle market, and analysis of their competitive landscape and market positioning based on recent developments and segmental revenues. This report will help stakeholders to understand the competitive landscape and gain more insights and

position their businesses and market strategies in a better way.

This report analyzes the segments data by type and by application, sales, revenue, and price, from 2019 to 2030. Evaluation and forecast the market size for PEMFC and Fuel Cell Electric Vehicle sales, projected growth trends, production technology, application and end-user industry.

PEMFC and Fuel Cell Electric Vehicle segment by Company

Ballard

Shenli Hi-Tech

Sunrise Power

Pearl Hydrogen

Wuhan WUT

Foton

FeiChi Bus

SAIC

Dongfeng

Yutong

PEMFC and Fuel Cell Electric Vehicle segment by Type

Transportation

Others

PEMFC and Fuel Cell Electric Vehicle segment by Application

Automotive

Others

PEMFC and Fuel Cell Electric Vehicle segment by Region

North America

U.S.

Canada

Europe

Germany

France

U.K.

Italy

Russia

Asia-Pacific

China

Japan

South Korea

India

Australia

China Taiwan

Indonesia

Thailand

Malaysia

Latin America

Mexico

Brazil

Argentina

Middle East & Africa

Turkey

Saudi Arabia

UAE

Study Objectives

1. To analyze and research the global status and future forecast, involving, production, value, consumption, growth rate (CAGR), market share, historical and forecast.
2. To present the key manufacturers, capacity, production, revenue, market share, and Recent Developments.
3. To split the breakdown data by regions, type, manufacturers, and Application.
4. To analyze the global and key regions market potential and advantage, opportunity and challenge, restraints, and risks.
5. To identify significant trends, drivers, influence factors in global and regions.
6. To analyze competitive developments such as expansions, agreements, new product

launches, and acquisitions in the market.

Reasons to Buy This Report

1. This report will help the readers to understand the competition within the industries and strategies for the competitive environment to enhance the potential profit. The report also focuses on the competitive landscape of the global PEMFC and Fuel Cell Electric Vehicle market, and introduces in detail the market share, industry ranking, competitor ecosystem, market performance, new product development, operation situation, expansion, and acquisition. etc. of the main players, which helps the readers to identify the main competitors and deeply understand the competition pattern of the market.
2. This report will help stakeholders to understand the global industry status and trends of PEMFC and Fuel Cell Electric Vehicle and provides them with information on key market drivers, restraints, challenges, and opportunities.
3. This report will help stakeholders to understand competitors better and gain more insights to strengthen their position in their businesses. The competitive landscape section includes the market share and rank (in volume and value), competitor ecosystem, new product development, expansion, and acquisition.
4. This report stays updated with novel technology integration, features, and the latest developments in the market.
5. This report helps stakeholders to gain insights into which regions to target globally.
6. This report helps stakeholders to gain insights into the end-user perception concerning the adoption of PEMFC and Fuel Cell Electric Vehicle.
7. This report helps stakeholders to identify some of the key players in the market and understand their valuable contribution.

Chapter Outline

Chapter 1: Provides an overview of the PEMFC and Fuel Cell Electric Vehicle market, including product definition, global market growth prospects, production value, capacity, and average price forecasts (2019-2030).

Chapter 2: Analysis key trends, drivers, challenges, and opportunities within the global PEMFC and Fuel Cell Electric Vehicle industry.

Chapter 3: Detailed analysis of PEMFC and Fuel Cell Electric Vehicle market competition landscape. Including PEMFC and Fuel Cell Electric Vehicle manufacturers' output value, output and average price from 2019 to 2024, as well as competition analysis indicators such as origin, product type, application, merger and acquisition information, etc.

Chapter 4: Provides the analysis of various market segments by type, covering the market size and development potential of each market segment, to help readers find the blue ocean market in different market segments.

Chapter 5: Provides the analysis of various market segments by application, covering the market size and development potential of each market segment, to help readers find the blue ocean market in different downstream markets.

Chapter 6: Provides profiles of key players, introducing the basic situation of the main companies in the market in detail, including product production/output, value, price, gross margin, product introduction, recent development, etc.

Chapter 7: Production/Production Value of PEMFC and Fuel Cell Electric Vehicle by region. It provides a quantitative analysis of the market size and development potential of each region in the next six years.

Chapter 8: Consumption of PEMFC and Fuel Cell Electric Vehicle in regional level and country level. It provides a quantitative analysis of the market size and development potential of each region and its main countries and introduces the market development, future development prospects, market space, and production of each country in the world.

Chapter 9: Analysis of industrial chain, including the upstream and downstream of the industry.

Chapter 10: Concluding Insights of the report.

Contents

1 MARKET OVERVIEW

- 1.1 Product Definition
- 1.2 Global Market Growth Prospects
 - 1.2.1 Global PEMFC and Fuel Cell Electric Vehicle Production Value Estimates and Forecasts (2019-2030)
 - 1.2.2 Global PEMFC and Fuel Cell Electric Vehicle Production Capacity Estimates and Forecasts (2019-2030)
 - 1.2.3 Global PEMFC and Fuel Cell Electric Vehicle Production Estimates and Forecasts (2019-2030)
 - 1.2.4 Global PEMFC and Fuel Cell Electric Vehicle Market Average Price (2019-2030)
- 1.3 Assumptions and Limitations
- 1.4 Study Goals and Objectives

2 GLOBAL PEMFC AND FUEL CELL ELECTRIC VEHICLE MARKET DYNAMICS

- 2.1 PEMFC and Fuel Cell Electric Vehicle Industry Trends
- 2.2 PEMFC and Fuel Cell Electric Vehicle Industry Drivers
- 2.3 PEMFC and Fuel Cell Electric Vehicle Industry Opportunities and Challenges
- 2.4 PEMFC and Fuel Cell Electric Vehicle Industry Restraints

3 PEMFC AND FUEL CELL ELECTRIC VEHICLE MARKET BY MANUFACTURERS

- 3.1 Global PEMFC and Fuel Cell Electric Vehicle Production Value by Manufacturers (2019-2024)
- 3.2 Global PEMFC and Fuel Cell Electric Vehicle Production by Manufacturers (2019-2024)
- 3.3 Global PEMFC and Fuel Cell Electric Vehicle Average Price by Manufacturers (2019-2024)
- 3.4 Global PEMFC and Fuel Cell Electric Vehicle Industry Manufacturers Ranking, 2022 VS 2023 VS 2024
- 3.5 Global PEMFC and Fuel Cell Electric Vehicle Key Manufacturers Manufacturing Sites & Headquarters
- 3.6 Global PEMFC and Fuel Cell Electric Vehicle Manufacturers, Product Type & Application
- 3.7 Global PEMFC and Fuel Cell Electric Vehicle Manufacturers Commercialization Time

3.8 Market Competitive Analysis

3.8.1 Global PEMFC and Fuel Cell Electric Vehicle Market CR5 and HHI

3.8.2 Global Top 5 and 10 PEMFC and Fuel Cell Electric Vehicle Players Market Share by Production Value in 2023

3.8.3 2023 PEMFC and Fuel Cell Electric Vehicle Tier 1, Tier 2, and Tier

4 PEMFC AND FUEL CELL ELECTRIC VEHICLE MARKET BY TYPE

4.1 PEMFC and Fuel Cell Electric Vehicle Type Introduction

4.1.1 Transportation

4.1.2 Others

4.2 Global PEMFC and Fuel Cell Electric Vehicle Production by Type

4.2.1 Global PEMFC and Fuel Cell Electric Vehicle Production by Type (2019 VS 2023 VS 2030)

4.2.2 Global PEMFC and Fuel Cell Electric Vehicle Production by Type (2019-2030)

4.2.3 Global PEMFC and Fuel Cell Electric Vehicle Production Market Share by Type (2019-2030)

4.3 Global PEMFC and Fuel Cell Electric Vehicle Production Value by Type

4.3.1 Global PEMFC and Fuel Cell Electric Vehicle Production Value by Type (2019 VS 2023 VS 2030)

4.3.2 Global PEMFC and Fuel Cell Electric Vehicle Production Value by Type (2019-2030)

4.3.3 Global PEMFC and Fuel Cell Electric Vehicle Production Value Market Share by Type (2019-2030)

5 PEMFC AND FUEL CELL ELECTRIC VEHICLE MARKET BY APPLICATION

5.1 PEMFC and Fuel Cell Electric Vehicle Application Introduction

5.1.1 Automotive

5.1.2 Others

5.2 Global PEMFC and Fuel Cell Electric Vehicle Production by Application

5.2.1 Global PEMFC and Fuel Cell Electric Vehicle Production by Application (2019 VS 2023 VS 2030)

5.2.2 Global PEMFC and Fuel Cell Electric Vehicle Production by Application (2019-2030)

5.2.3 Global PEMFC and Fuel Cell Electric Vehicle Production Market Share by Application (2019-2030)

5.3 Global PEMFC and Fuel Cell Electric Vehicle Production Value by Application

5.3.1 Global PEMFC and Fuel Cell Electric Vehicle Production Value by Application

(2019 VS 2023 VS 2030)

5.3.2 Global PEMFC and Fuel Cell Electric Vehicle Production Value by Application (2019-2030)

5.3.3 Global PEMFC and Fuel Cell Electric Vehicle Production Value Market Share by Application (2019-2030)

6 COMPANY PROFILES

6.1 Ballard

6.1.1 Ballard Company Information

6.1.2 Ballard Business Overview

6.1.3 Ballard PEMFC and Fuel Cell Electric Vehicle Production, Value and Gross Margin (2019-2024)

6.1.4 Ballard PEMFC and Fuel Cell Electric Vehicle Product Portfolio

6.1.5 Ballard Recent Developments

6.2 Shenli Hi-Tech

6.2.1 Shenli Hi-Tech Company Information

6.2.2 Shenli Hi-Tech Business Overview

6.2.3 Shenli Hi-Tech PEMFC and Fuel Cell Electric Vehicle Production, Value and Gross Margin (2019-2024)

6.2.4 Shenli Hi-Tech PEMFC and Fuel Cell Electric Vehicle Product Portfolio

6.2.5 Shenli Hi-Tech Recent Developments

6.3 Sunrise Power

6.3.1 Sunrise Power Company Information

6.3.2 Sunrise Power Business Overview

6.3.3 Sunrise Power PEMFC and Fuel Cell Electric Vehicle Production, Value and Gross Margin (2019-2024)

6.3.4 Sunrise Power PEMFC and Fuel Cell Electric Vehicle Product Portfolio

6.3.5 Sunrise Power Recent Developments

6.4 Pearl Hydrogen

6.4.1 Pearl Hydrogen Company Information

6.4.2 Pearl Hydrogen Business Overview

6.4.3 Pearl Hydrogen PEMFC and Fuel Cell Electric Vehicle Production, Value and Gross Margin (2019-2024)

6.4.4 Pearl Hydrogen PEMFC and Fuel Cell Electric Vehicle Product Portfolio

6.4.5 Pearl Hydrogen Recent Developments

6.5 Wuhan WUT

6.5.1 Wuhan WUT Company Information

6.5.2 Wuhan WUT Business Overview

6.5.3 Wuhan WUT PEMFC and Fuel Cell Electric Vehicle Production, Value and Gross Margin (2019-2024)

6.5.4 Wuhan WUT PEMFC and Fuel Cell Electric Vehicle Product Portfolio

6.5.5 Wuhan WUT Recent Developments

6.6 Foton

6.6.1 Foton Comapny Information

6.6.2 Foton Business Overview

6.6.3 Foton PEMFC and Fuel Cell Electric Vehicle Production, Value and Gross Margin (2019-2024)

6.6.4 Foton PEMFC and Fuel Cell Electric Vehicle Product Portfolio

6.6.5 Foton Recent Developments

6.7 FeiChi Bus

6.7.1 FeiChi Bus Comapny Information

6.7.2 FeiChi Bus Business Overview

6.7.3 FeiChi Bus PEMFC and Fuel Cell Electric Vehicle Production, Value and Gross Margin (2019-2024)

6.7.4 FeiChi Bus PEMFC and Fuel Cell Electric Vehicle Product Portfolio

6.7.5 FeiChi Bus Recent Developments

6.8 SAIC

6.8.1 SAIC Comapny Information

6.8.2 SAIC Business Overview

6.8.3 SAIC PEMFC and Fuel Cell Electric Vehicle Production, Value and Gross Margin (2019-2024)

6.8.4 SAIC PEMFC and Fuel Cell Electric Vehicle Product Portfolio

6.8.5 SAIC Recent Developments

6.9 Dongfeng

6.9.1 Dongfeng Comapny Information

6.9.2 Dongfeng Business Overview

6.9.3 Dongfeng PEMFC and Fuel Cell Electric Vehicle Production, Value and Gross Margin (2019-2024)

6.9.4 Dongfeng PEMFC and Fuel Cell Electric Vehicle Product Portfolio

6.9.5 Dongfeng Recent Developments

6.10 Yutong

6.10.1 Yutong Comapny Information

6.10.2 Yutong Business Overview

6.10.3 Yutong PEMFC and Fuel Cell Electric Vehicle Production, Value and Gross Margin (2019-2024)

6.10.4 Yutong PEMFC and Fuel Cell Electric Vehicle Product Portfolio

6.10.5 Yutong Recent Developments

7 GLOBAL PEMFC AND FUEL CELL ELECTRIC VEHICLE PRODUCTION BY REGION

7.1 Global PEMFC and Fuel Cell Electric Vehicle Production by Region: 2019 VS 2023 VS 2030

7.2 Global PEMFC and Fuel Cell Electric Vehicle Production by Region (2019-2030)

7.2.1 Global PEMFC and Fuel Cell Electric Vehicle Production by Region: 2019-2024

7.2.2 Global PEMFC and Fuel Cell Electric Vehicle Production by Region (2025-2030)

7.3 Global PEMFC and Fuel Cell Electric Vehicle Production by Region: 2019 VS 2023 VS 2030

7.4 Global PEMFC and Fuel Cell Electric Vehicle Production Value by Region (2019-2030)

7.4.1 Global PEMFC and Fuel Cell Electric Vehicle Production Value by Region: 2019-2024

7.4.2 Global PEMFC and Fuel Cell Electric Vehicle Production Value by Region (2025-2030)

7.5 Global PEMFC and Fuel Cell Electric Vehicle Market Price Analysis by Region (2019-2024)

7.6 Regional Production Value Trends (2019-2030)

7.6.1 North America PEMFC and Fuel Cell Electric Vehicle Production Value (2019-2030)

7.6.2 Europe PEMFC and Fuel Cell Electric Vehicle Production Value (2019-2030)

7.6.3 Asia-Pacific PEMFC and Fuel Cell Electric Vehicle Production Value (2019-2030)

7.6.4 Latin America PEMFC and Fuel Cell Electric Vehicle Production Value (2019-2030)

7.6.5 Middle East & Africa PEMFC and Fuel Cell Electric Vehicle Production Value (2019-2030)

8 GLOBAL PEMFC AND FUEL CELL ELECTRIC VEHICLE CONSUMPTION BY REGION

8.1 Global PEMFC and Fuel Cell Electric Vehicle Consumption by Region: 2019 VS 2023 VS 2030

8.2 Global PEMFC and Fuel Cell Electric Vehicle Consumption by Region (2019-2030)

8.2.1 Global PEMFC and Fuel Cell Electric Vehicle Consumption by Region (2019-2024)

8.2.2 Global PEMFC and Fuel Cell Electric Vehicle Consumption by Region (2025-2030)

8.3 North America

8.3.1 North America PEMFC and Fuel Cell Electric Vehicle Consumption Growth Rate by Country: 2019 VS 2023 VS 2030

8.3.2 North America PEMFC and Fuel Cell Electric Vehicle Consumption by Country (2019-2030)

8.3.3 U.S.

8.3.4 Canada

8.4 Europe

8.4.1 Europe PEMFC and Fuel Cell Electric Vehicle Consumption Growth Rate by Country: 2019 VS 2023 VS 2030

8.4.2 Europe PEMFC and Fuel Cell Electric Vehicle Consumption by Country (2019-2030)

8.4.3 Germany

8.4.4 France

8.4.5 U.K.

8.4.6 Italy

8.4.7 Netherlands

8.5 Asia Pacific

8.5.1 Asia Pacific PEMFC and Fuel Cell Electric Vehicle Consumption Growth Rate by Country: 2019 VS 2023 VS 2030

8.5.2 Asia Pacific PEMFC and Fuel Cell Electric Vehicle Consumption by Country (2019-2030)

8.5.3 China

8.5.4 Japan

8.5.5 South Korea

8.5.6 Southeast Asia

8.5.7 India

8.5.8 Australia

8.6 LAMEA

8.6.1 LAMEA PEMFC and Fuel Cell Electric Vehicle Consumption Growth Rate by Country: 2019 VS 2023 VS 2030

8.6.2 LAMEA PEMFC and Fuel Cell Electric Vehicle Consumption by Country (2019-2030)

8.6.3 Mexico

8.6.4 Brazil

8.6.5 Turkey

8.6.6 GCC Countries

9 VALUE CHAIN AND SALES CHANNELS ANALYSIS

9.1 PEMFC and Fuel Cell Electric Vehicle Value Chain Analysis

9.1.1 PEMFC and Fuel Cell Electric Vehicle Key Raw Materials

9.1.2 Raw Materials Key Suppliers

9.1.3 Manufacturing Cost Structure

9.1.4 PEMFC and Fuel Cell Electric Vehicle Production Mode & Process

9.2 PEMFC and Fuel Cell Electric Vehicle Sales Channels Analysis

9.2.1 Direct Comparison with Distribution Share

9.2.2 PEMFC and Fuel Cell Electric Vehicle Distributors

9.2.3 PEMFC and Fuel Cell Electric Vehicle Customers

10 CONCLUDING INSIGHTS

11 APPENDIX

11.1 Reasons for Doing This Study

11.2 Research Methodology

11.3 Research Process

11.4 Authors List of This Report

11.5 Data Source

11.5.1 Secondary Sources

11.5.2 Primary Sources

11.6 Disclaimer

List Of Tables

LIST OF TABLES

Table 1. PEMFC and Fuel Cell Electric Vehicle Industry Trends

Table 2. PEMFC and Fuel Cell Electric Vehicle Industry Drivers

Table 3. PEMFC and Fuel Cell Electric Vehicle Industry Opportunities and Challenges

Table 4. PEMFC and Fuel Cell Electric Vehicle Industry Restraints

Table 5. Global PEMFC and Fuel Cell Electric Vehicle Production Value by Manufacturers (US\$ Million) & (2019-2024)

Table 6. Global PEMFC and Fuel Cell Electric Vehicle Production Value Market Share by Manufacturers (2019-2024)

Table 7. Global PEMFC and Fuel Cell Electric Vehicle Production by Manufacturers (KW) & (2019-2024)

Table 8. Global PEMFC and Fuel Cell Electric Vehicle Production Market Share by Manufacturers

Table 9. Global PEMFC and Fuel Cell Electric Vehicle Average Price (USD/KW) of Manufacturers (2019-2024)

Table 10. Global PEMFC and Fuel Cell Electric Vehicle Industry Manufacturers Ranking, 2022 VS 2023 VS 2024

Table 11. Global PEMFC and Fuel Cell Electric Vehicle Industry Manufacturers Ranking, 2022 VS 2023 VS 2024

Table 12. Global PEMFC and Fuel Cell Electric Vehicle Key Manufacturers Manufacturing Sites & Headquarters

Table 13. Global PEMFC and Fuel Cell Electric Vehicle Manufacturers, Product Type & Application

Table 14. Global PEMFC and Fuel Cell Electric Vehicle Manufacturers Commercialization Time

Table 15. Global Manufacturers Market Concentration Ratio (CR5 and HHI)

Table 16. Global PEMFC and Fuel Cell Electric Vehicle by Manufacturers Type (Tier 1, Tier 2, and Tier 3) & (based on the Production Value of 2023)

Table 17. Major Manufacturers of Transportation

Table 18. Major Manufacturers of Others

Table 19. Global PEMFC and Fuel Cell Electric Vehicle Production by type 2019 VS 2023 VS 2030 (KW)

Table 20. Global PEMFC and Fuel Cell Electric Vehicle Production by type (2019-2024) & (KW)

Table 21. Global PEMFC and Fuel Cell Electric Vehicle Production by type (2025-2030) & (KW)

Table 22. Global PEMFC and Fuel Cell Electric Vehicle Production Market Share by type (2019-2024)

Table 23. Global PEMFC and Fuel Cell Electric Vehicle Production Market Share by type (2025-2030)

Table 24. Global PEMFC and Fuel Cell Electric Vehicle Production Value by type 2019 VS 2023 VS 2030 (KW)

Table 25. Global PEMFC and Fuel Cell Electric Vehicle Production Value by type (2019-2024) & (KW)

Table 26. Global PEMFC and Fuel Cell Electric Vehicle Production Value by type (2025-2030) & (KW)

Table 27. Global PEMFC and Fuel Cell Electric Vehicle Production Value Market Share by type (2019-2024)

Table 28. Global PEMFC and Fuel Cell Electric Vehicle Production Value Market Share by type (2025-2030)

Table 29. Major Manufacturers of Automotive

Table 30. Major Manufacturers of Others

Table 31. Global PEMFC and Fuel Cell Electric Vehicle Production by application 2019 VS 2023 VS 2030 (KW)

Table 32. Global PEMFC and Fuel Cell Electric Vehicle Production by application (2019-2024) & (KW)

Table 33. Global PEMFC and Fuel Cell Electric Vehicle Production by application (2025-2030) & (KW)

Table 34. Global PEMFC and Fuel Cell Electric Vehicle Production Market Share by application (2019-2024)

Table 35. Global PEMFC and Fuel Cell Electric Vehicle Production Market Share by application (2025-2030)

Table 36. Global PEMFC and Fuel Cell Electric Vehicle Production Value by application 2019 VS 2023 VS 2030 (KW)

Table 37. Global PEMFC and Fuel Cell Electric Vehicle Production Value by application (2019-2024) & (KW)

Table 38. Global PEMFC and Fuel Cell Electric Vehicle Production Value by application (2025-2030) & (KW)

Table 39. Global PEMFC and Fuel Cell Electric Vehicle Production Value Market Share by application (2019-2024)

Table 40. Global PEMFC and Fuel Cell Electric Vehicle Production Value Market Share by application (2025-2030)

Table 41. Ballard Company Information

Table 42. Ballard Business Overview

Table 43. Ballard PEMFC and Fuel Cell Electric Vehicle Production (KW), Value (US\$

Million), Price (USD/KW) and Gross Margin (2019-2024)

Table 44. Ballard PEMFC and Fuel Cell Electric Vehicle Product Portfolio

Table 45. Ballard Recent Development

Table 46. Shenli Hi-Tech Company Information

Table 47. Shenli Hi-Tech Business Overview

Table 48. Shenli Hi-Tech PEMFC and Fuel Cell Electric Vehicle Production (KW), Value (US\$ Million), Price (USD/KW) and Gross Margin (2019-2024)

Table 49. Shenli Hi-Tech PEMFC and Fuel Cell Electric Vehicle Product Portfolio

Table 50. Shenli Hi-Tech Recent Development

Table 51. Sunrise Power Company Information

Table 52. Sunrise Power Business Overview

Table 53. Sunrise Power PEMFC and Fuel Cell Electric Vehicle Production (KW), Value (US\$ Million), Price (USD/KW) and Gross Margin (2019-2024)

Table 54. Sunrise Power PEMFC and Fuel Cell Electric Vehicle Product Portfolio

Table 55. Sunrise Power Recent Development

Table 56. Pearl Hydrogen Company Information

Table 57. Pearl Hydrogen Business Overview

Table 58. Pearl Hydrogen PEMFC and Fuel Cell Electric Vehicle Production (KW), Value (US\$ Million), Price (USD/KW) and Gross Margin (2019-2024)

Table 59. Pearl Hydrogen PEMFC and Fuel Cell Electric Vehicle Product Portfolio

Table 60. Pearl Hydrogen Recent Development

Table 61. Wuhan WUT Company Information

Table 62. Wuhan WUT Business Overview

Table 63. Wuhan WUT PEMFC and Fuel Cell Electric Vehicle Production (KW), Value (US\$ Million), Price (USD/KW) and Gross Margin (2019-2024)

Table 64. Wuhan WUT PEMFC and Fuel Cell Electric Vehicle Product Portfolio

Table 65. Wuhan WUT Recent Development

Table 66. Foton Company Information

Table 67. Foton Business Overview

Table 68. Foton PEMFC and Fuel Cell Electric Vehicle Production (KW), Value (US\$ Million), Price (USD/KW) and Gross Margin (2019-2024)

Table 69. Foton PEMFC and Fuel Cell Electric Vehicle Product Portfolio

Table 70. Foton Recent Development

Table 71. FeiChi Bus Company Information

Table 72. FeiChi Bus Business Overview

Table 73. FeiChi Bus PEMFC and Fuel Cell Electric Vehicle Production (KW), Value (US\$ Million), Price (USD/KW) and Gross Margin (2019-2024)

Table 74. FeiChi Bus PEMFC and Fuel Cell Electric Vehicle Product Portfolio

Table 75. FeiChi Bus Recent Development

Table 76. SAIC Company Information

Table 77. SAIC Business Overview

Table 78. SAIC PEMFC and Fuel Cell Electric Vehicle Production (KW), Value (US\$ Million), Price (USD/KW) and Gross Margin (2019-2024)

Table 79. SAIC PEMFC and Fuel Cell Electric Vehicle Product Portfolio

Table 80. SAIC Recent Development

Table 81. Dongfeng Company Information

Table 82. Dongfeng Business Overview

Table 83. Dongfeng PEMFC and Fuel Cell Electric Vehicle Production (KW), Value (US\$ Million), Price (USD/KW) and Gross Margin (2019-2024)

Table 84. Dongfeng PEMFC and Fuel Cell Electric Vehicle Product Portfolio

Table 85. Dongfeng Recent Development

Table 86. Yutong Company Information

Table 87. Yutong Business Overview

Table 88. Yutong PEMFC and Fuel Cell Electric Vehicle Production (KW), Value (US\$ Million), Price (USD/KW) and Gross Margin (2019-2024)

Table 89. Yutong PEMFC and Fuel Cell Electric Vehicle Product Portfolio

Table 90. Yutong Recent Development

Table 91. Global PEMFC and Fuel Cell Electric Vehicle Production by Region: 2019 VS 2023 VS 2030 (KW)

Table 92. Global PEMFC and Fuel Cell Electric Vehicle Production by Region (2019-2024) & (KW)

Table 93. Global PEMFC and Fuel Cell Electric Vehicle Production Market Share by Region (2019-2024)

Table 94. Global PEMFC and Fuel Cell Electric Vehicle Production Forecast by Region (2025-2030) & (KW)

Table 95. Global PEMFC and Fuel Cell Electric Vehicle Production Market Share Forecast by Region (2025-2030)

Table 96. Global PEMFC and Fuel Cell Electric Vehicle Production Value Comparison by Region: 2019 VS 2023 VS 2030 (US\$ Million)

Table 97. Global PEMFC and Fuel Cell Electric Vehicle Production Value by Region (2019-2024) & (US\$ Million)

Table 98. Global PEMFC and Fuel Cell Electric Vehicle Production Value Forecast by Region (2025-2030) & (US\$ Million)

Table 99. Global PEMFC and Fuel Cell Electric Vehicle Production Value Share Forecast by Region: (2025-2030) & (US\$ Million)

Table 100. Global PEMFC and Fuel Cell Electric Vehicle Market Average Price (USD/KW) by Region (2019-2024)

Table 101. Global PEMFC and Fuel Cell Electric Vehicle Market Average Price

(USD/KW) by Region (2025-2030)

Table 102. Global PEMFC and Fuel Cell Electric Vehicle Consumption by Region: 2019 VS 2023 VS 2030 (KW)

Table 103. Global PEMFC and Fuel Cell Electric Vehicle Consumption by Region (2019-2024) & (KW)

Table 104. Global PEMFC and Fuel Cell Electric Vehicle Consumption Market Share by Region (2019-2024)

Table 105. Global PEMFC and Fuel Cell Electric Vehicle Consumption Forecasted by Region (2025-2030) & (KW)

Table 106. Global PEMFC and Fuel Cell Electric Vehicle Consumption Forecasted Market Share by Region (2025-2030)

Table 107. North America PEMFC and Fuel Cell Electric Vehicle Consumption Growth Rate by Country: 2019 VS 2023 VS 2030 (KW)

Table 108. North America PEMFC and Fuel Cell Electric Vehicle Consumption by Country (2019-2024) & (KW)

Table 109. North America PEMFC and Fuel Cell Electric Vehicle Consumption by Country (2025-2030) & (KW)

Table 110. Europe PEMFC and Fuel Cell Electric Vehicle Consumption Growth Rate by Country: 2019 VS 2023 VS 2030 (KW)

Table 111. Europe PEMFC and Fuel Cell Electric Vehicle Consumption by Country (2019-2024) & (KW)

Table 112. Europe PEMFC and Fuel Cell Electric Vehicle Consumption by Country (2025-2030) & (KW)

Table 113. Asia Pacific PEMFC and Fuel Cell Electric Vehicle Consumption Growth Rate by Country: 2019 VS 2023 VS 2030 (KW)

Table 114. Asia Pacific PEMFC and Fuel Cell Electric Vehicle Consumption by Country (2019-2024) & (KW)

Table 115. Asia Pacific PEMFC and Fuel Cell Electric Vehicle Consumption by Country (2025-2030) & (KW)

Table 116. LAMEA PEMFC and Fuel Cell Electric Vehicle Consumption Growth Rate by Country: 2019 VS 2023 VS 2030 (KW)

Table 117. LAMEA PEMFC and Fuel Cell Electric Vehicle Consumption by Country (2019-2024) & (KW)

Table 118. LAMEA PEMFC and Fuel Cell Electric Vehicle Consumption by Country (2025-2030) & (KW)

Table 119. Key Raw Materials

Table 120. Raw Materials Key Suppliers

Table 121. PEMFC and Fuel Cell Electric Vehicle Distributors List

Table 122. PEMFC and Fuel Cell Electric Vehicle Customers List

Table 123. Research Programs/Design for This Report

Table 124. Authors List of This Report

Table 125. Secondary Sources

Table 126. Primary Sources

List Of Figures

LIST OF FIGURES

Figure 1. PEMFC and Fuel Cell Electric Vehicle Product Picture

Figure 2. Global PEMFC and Fuel Cell Electric Vehicle Production Value (US\$ Million), 2019 VS 2023 VS 2030

Figure 3. Global PEMFC and Fuel Cell Electric Vehicle Production Value (2019-2030) & (US\$ Million)

Figure 4. Global PEMFC and Fuel Cell Electric Vehicle Production Capacity (2019-2030) & (KW)

Figure 5. Global PEMFC and Fuel Cell Electric Vehicle Production (2019-2030) & (KW)

Figure 6. Global PEMFC and Fuel Cell Electric Vehicle Average Price (USD/KW) & (2019-2030)

Figure 7. Global Top 5 and 10 PEMFC and Fuel Cell Electric Vehicle Players Market Share by Production Value in 2023

Figure 8. Manufacturers Type (Tier 1, Tier 2, and Tier 3): 2019 VS 2023

Figure 9. Transportation Picture

Figure 10. Others Picture

Figure 11. Global PEMFC and Fuel Cell Electric Vehicle Production by Type (2019 VS 2023 VS 2030) & (KW)

Figure 12. Global PEMFC and Fuel Cell Electric Vehicle Production Market Share 2019 VS 2023 VS 2030

Figure 13. Global PEMFC and Fuel Cell Electric Vehicle Production Market Share by Type (2019-2030)

Figure 14. Global PEMFC and Fuel Cell Electric Vehicle Production Value by Type (2019 VS 2023 VS 2030) & (KW)

Figure 15. Global PEMFC and Fuel Cell Electric Vehicle Production Value Share 2019 VS 2023 VS 2030

Figure 16. Global PEMFC and Fuel Cell Electric Vehicle Production Value Share by Type (2019-2030)

Figure 17. Automotive Picture

Figure 18. Others Picture

Figure 19. Global PEMFC and Fuel Cell Electric Vehicle Production by Application (2019 VS 2023 VS 2030) & (KW)

Figure 20. Global PEMFC and Fuel Cell Electric Vehicle Production Market Share 2019 VS 2023 VS 2030

Figure 21. Global PEMFC and Fuel Cell Electric Vehicle Production Market Share by Application (2019-2030)

Figure 22. Global PEMFC and Fuel Cell Electric Vehicle Production Value by Application (2019 VS 2023 VS 2030) & (KW)

Figure 23. Global PEMFC and Fuel Cell Electric Vehicle Production Value Share 2019 VS 2023 VS 2030

Figure 24. Global PEMFC and Fuel Cell Electric Vehicle Production Value Share by Application (2019-2030)

Figure 25. Global PEMFC and Fuel Cell Electric Vehicle Production by Region: 2019 VS 2023 VS 2030 (KW)

Figure 26. Global PEMFC and Fuel Cell Electric Vehicle Production Market Share by Region: 2019 VS 2023 VS 2030

Figure 27. Global PEMFC and Fuel Cell Electric Vehicle Production Value Comparison by Region: 2019 VS 2023 VS 2030 (US\$ Million)

Figure 28. Global PEMFC and Fuel Cell Electric Vehicle Production Value Share by Region: 2019 VS 2023 VS 2030

Figure 29. North America PEMFC and Fuel Cell Electric Vehicle Production Value (2019-2030) & (US\$ Million)

Figure 30. Europe PEMFC and Fuel Cell Electric Vehicle Production Value (2019-2030) & (US\$ Million)

Figure 31. Asia-Pacific PEMFC and Fuel Cell Electric Vehicle Production Value (2019-2030) & (US\$ Million)

Figure 32. Latin America PEMFC and Fuel Cell Electric Vehicle Production Value (2019-2030) & (US\$ Million)

Figure 33. Middle East & Africa PEMFC and Fuel Cell Electric Vehicle Production Value (2019-2030) & (US\$ Million)

Figure 34. North America PEMFC and Fuel Cell Electric Vehicle Consumption and Growth Rate (2019-2030) & (KW)

Figure 35. North America PEMFC and Fuel Cell Electric Vehicle Consumption Market Share by Country (2019-2030)

Figure 36. U.S. PEMFC and Fuel Cell Electric Vehicle Consumption and Growth Rate (2019-2030) & (KW)

Figure 37. Canada PEMFC and Fuel Cell Electric Vehicle Consumption and Growth Rate (2019-2030) & (KW)

Figure 38. Europe PEMFC and Fuel Cell Electric Vehicle Consumption and Growth Rate (2019-2030) & (KW)

Figure 39. Europe PEMFC and Fuel Cell Electric Vehicle Consumption Market Share by Country (2019-2030)

Figure 40. Germany PEMFC and Fuel Cell Electric Vehicle Consumption and Growth Rate (2019-2030) & (KW)

Figure 41. France PEMFC and Fuel Cell Electric Vehicle Consumption and Growth Rate

(2019-2030) & (KW)

Figure 42. U.K. PEMFC and Fuel Cell Electric Vehicle Consumption and Growth Rate (2019-2030) & (KW)

Figure 43. Italy PEMFC and Fuel Cell Electric Vehicle Consumption and Growth Rate (2019-2030) & (KW)

Figure 44. Netherlands PEMFC and Fuel Cell Electric Vehicle Consumption and Growth Rate (2019-2030) & (KW)

Figure 45. Asia Pacific PEMFC and Fuel Cell Electric Vehicle Consumption and Growth Rate (2019-2030) & (KW)

Figure 46. Asia Pacific PEMFC and Fuel Cell Electric Vehicle Consumption Market Share by Country (2019-2030)

Figure 47. China PEMFC and Fuel Cell Electric Vehicle Consumption and Growth Rate (2019-2030) & (KW)

Figure 48. Japan PEMFC and Fuel Cell Electric Vehicle Consumption and Growth Rate (2019-2030) & (KW)

Figure 49. South Korea PEMFC and Fuel Cell Electric Vehicle Consumption and Growth Rate (2019-2030) & (KW)

Figure 50. Southeast Asia PEMFC and Fuel Cell Electric Vehicle Consumption and Growth Rate (2019-2030) & (KW)

Figure 51. India PEMFC and Fuel Cell Electric Vehicle Consumption and Growth Rate (2019-2030) & (KW)

Figure 52. Australia PEMFC and Fuel Cell Electric Vehicle Consumption and Growth Rate (2019-2030) & (KW)

Figure 53. LAMEA PEMFC and Fuel Cell Electric Vehicle Consumption and Growth Rate (2019-2030) & (KW)

Figure 54. LAMEA PEMFC and Fuel Cell Electric Vehicle Consumption Market Share by Country (2019-2030)

Figure 55. Mexico PEMFC and Fuel Cell Electric Vehicle Consumption and Growth Rate (2019-2030) & (KW)

Figure 56. Brazil PEMFC and Fuel Cell Electric Vehicle Consumption and Growth Rate (2019-2030) & (KW)

Figure 57. Turkey PEMFC and Fuel Cell Electric Vehicle Consumption and Growth Rate (2019-2030) & (KW)

Figure 58. GCC Countries PEMFC and Fuel Cell Electric Vehicle Consumption and Growth Rate (2019-2030) & (KW)

Figure 59. PEMFC and Fuel Cell Electric Vehicle Value Chain

Figure 60. Manufacturing Cost Structure

Figure 61. PEMFC and Fuel Cell Electric Vehicle Production Mode & Process

Figure 62. Direct Comparison with Distribution Share

Figure 63. Distributors Profiles

Figure 64. Years Considered

Figure 65. Research Process

Figure 66. Key Executives Interviewed

I would like to order

Product name: Global PEMFC and Fuel Cell Electric Vehicle Market by Size, by Type, by Application, by Region, History and Forecast 2019-2030

Product link: <https://marketpublishers.com/r/GF300CDCADA2EN.html>

Price: US\$ 3,950.00 (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/GF300CDCADA2EN.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

