

Stationary Fuel Cell Industry Research Report 2024

<https://marketpublishers.com/r/S7E3CCA98557EN.html>

Date: April 2024

Pages: 121

Price: US\$ 2,950.00 (Single User License)

ID: S7E3CCA98557EN

Abstracts

Summary

Stationary fuel cells generate electricity through an electrochemical reaction, not combustion, providing clean, efficient, and reliable off-grid power to homes, businesses, telecommunications networks, utilities, and others.

Stationary fuel cells are quiet and have very low emissions, so they can be installed nearly anywhere. These systems provide power on-site directly to customers, without the efficiency losses of long-range grid transmission.

Stationary fuel cell systems also take up much less space in proportion to other clean energy technologies. For instance, a 10 megawatt (MW) fuel cell installation can be sited in about an acre of land. This is compared to about 10 acres required per MW of solar power and about 50 acres per MW of wind.

According to APO Research, The global Stationary Fuel Cell market was valued at US\$ million in 2023 and is anticipated to reach US\$ million by 2030, witnessing a CAGR of xx% during the forecast period 2024-2030.

North American market for Stationary Fuel Cell 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 Stationary Fuel Cell 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 Stationary Fuel Cell 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 Stationary Fuel Cell include , etc. In 2023, the world's top three vendors accounted for approximately % of the revenue.

Report Scope

This report aims to provide a comprehensive presentation of the global market for Stationary Fuel Cell, with both quantitative and qualitative analysis, to help readers develop business/growth strategies, assess the market competitive situation, analyze their position in the current marketplace, and make informed business decisions regarding Stationary Fuel Cell.

The report will help the Stationary Fuel Cell manufacturers, new entrants, and industry chain related companies in this market with information on the revenues, sales volume, and average price for the overall market and the sub-segments across the different segments, by company, by Type, by Application, and by regions.

The Stationary Fuel Cell market size, estimations, and forecasts are provided in terms of sales volume (MW) and revenue (\$ millions), considering 2023 as the base year, with history and forecast data for the period from 2019 to 2030. This report segments the global Stationary Fuel Cell market comprehensively. Regional market sizes, concerning products by Type, by Application, and by players, are also provided. For a more in-depth understanding of the market, the report provides profiles of the competitive landscape, key competitors, and their respective market ranks. The report also discusses technological trends and new product developments.

Key Companies & Market Share Insights

In this section, the readers will gain an understanding of the key players competing. This report has studied the key growth strategies, such as innovative trends and developments, intensification of product portfolio, mergers and acquisitions, collaborations, new product innovation, and geographical expansion, undertaken by these participants to maintain their presence. Apart from business strategies, the study includes current developments and key financials. The readers will also get access to the data related to global revenue, price, and sales by manufacturers for the period 2019-2024. This all-inclusive report will certainly serve the clients to stay updated and make effective decisions in their businesses. Some of the prominent players reviewed in

the research report include:

Panasonic

Toshiba

Siemens

Fuji Electric

POSCO ENERGY

Bloom Energy

JX Nippon

FuelCell Energy

Ballard Power

Plug Power

Doosan PureCell America

Altergy

SOLIDpower

Stationary Fuel Cell segment by Type

0-1 KW

1-4 KW

Above 4 KW

Stationary Fuel Cell segment by Application

Residential

Telecommunications Network

Secure Communications

Other

Stationary Fuel Cell 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

Key Drivers & Barriers

High-impact rendering factors and drivers have been studied in this report to aid the readers to understand the general development. Moreover, the report includes restraints and challenges that may act as stumbling blocks on the way of the players. This will assist the users to be attentive and make informed decisions related to business. Specialists have also laid their focus on the upcoming business prospects.

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 Stationary Fuel Cell 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 Stationary Fuel Cell 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 Stationary Fuel Cell.

7. This report helps stakeholders to identify some of the key players in the market and understand their valuable contribution.

Chapter Outline

Chapter 1: Research objectives, research methods, data sources, data cross-validation;

Chapter 2: Introduces the report scope of the report, executive summary of different market segments (by region, product type, application, etc), including the market size of each market segment, future development potential, and so on. It offers a high-level view of the current state of the market and its likely evolution in the short to mid-term, and long term.

Chapter 3: Detailed analysis of Stationary Fuel Cell manufacturers competitive landscape, price, production and value market share, latest development plan, merger, and acquisition information, etc.

Chapter 4: 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 5: Production/output, value of Stationary Fuel Cell by region/country. It provides a quantitative analysis of the market size and development potential of each region in the next six years.

Chapter 6: Consumption of Stationary Fuel Cell 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 7: 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 8: 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 9: Analysis of industrial chain, including the upstream and downstream of the industry.

Chapter 10: Introduces the market dynamics, latest developments of the market, the driving factors and restrictive factors of the market, the challenges and risks faced by manufacturers in the industry, and the analysis of relevant policies in the industry.

Chapter 11: The main points and conclusions of the report.

Contents

1 PREFACE

- 1.1 Scope of Report
- 1.2 Reasons for Doing This Study
- 1.3 Research Methodology
- 1.4 Research Process
- 1.5 Data Source
 - 1.5.1 Secondary Sources
 - 1.5.2 Primary Sources

2 MARKET OVERVIEW

- 2.1 Product Definition
- 2.2 Stationary Fuel Cell by Type
 - 2.2.1 Market Value Comparison by Type (2019 VS 2023 VS 2030) & (US\$ Million)
 - 2.2.2 0-1 KW
 - 2.2.3 1-4 KW
 - 2.2.4 Above 4 KW
- 2.3 Stationary Fuel Cell by Application
 - 2.3.1 Market Value Comparison by Application (2019 VS 2023 VS 2030) & (US\$ Million)
 - 2.3.2 Residential
 - 2.3.3 Telecommunications Network
 - 2.3.4 Secure Communications
 - 2.3.5 Other
- 2.4 Global Market Growth Prospects
 - 2.4.1 Global Stationary Fuel Cell Production Value Estimates and Forecasts (2019-2030)
 - 2.4.2 Global Stationary Fuel Cell Production Capacity Estimates and Forecasts (2019-2030)
 - 2.4.3 Global Stationary Fuel Cell Production Estimates and Forecasts (2019-2030)
 - 2.4.4 Global Stationary Fuel Cell Market Average Price (2019-2030)

3 MARKET COMPETITIVE LANDSCAPE BY MANUFACTURERS

- 3.1 Global Stationary Fuel Cell Production by Manufacturers (2019-2024)
- 3.2 Global Stationary Fuel Cell Production Value by Manufacturers (2019-2024)

- 3.3 Global Stationary Fuel Cell Average Price by Manufacturers (2019-2024)
- 3.4 Global Stationary Fuel Cell Industry Manufacturers Ranking, 2022 VS 2023 VS 2024
- 3.5 Global Stationary Fuel Cell Key Manufacturers, Manufacturing Sites & Headquarters
- 3.6 Global Stationary Fuel Cell Manufacturers, Product Type & Application
- 3.7 Global Stationary Fuel Cell Manufacturers, Date of Enter into This Industry
- 3.8 Global Stationary Fuel Cell Market CR5 and HHI
- 3.9 Global Manufacturers Mergers & Acquisition

4 MANUFACTURERS PROFILED

4.1 Panasonic

- 4.1.1 Panasonic Stationary Fuel Cell Company Information
- 4.1.2 Panasonic Stationary Fuel Cell Business Overview
- 4.1.3 Panasonic Stationary Fuel Cell Production, Value and Gross Margin (2019-2024)
- 4.1.4 Panasonic Product Portfolio
- 4.1.5 Panasonic Recent Developments

4.2 Toshiba

- 4.2.1 Toshiba Stationary Fuel Cell Company Information
- 4.2.2 Toshiba Stationary Fuel Cell Business Overview
- 4.2.3 Toshiba Stationary Fuel Cell Production, Value and Gross Margin (2019-2024)
- 4.2.4 Toshiba Product Portfolio
- 4.2.5 Toshiba Recent Developments

4.3 Siemens

- 4.3.1 Siemens Stationary Fuel Cell Company Information
- 4.3.2 Siemens Stationary Fuel Cell Business Overview
- 4.3.3 Siemens Stationary Fuel Cell Production, Value and Gross Margin (2019-2024)
- 4.3.4 Siemens Product Portfolio
- 4.3.5 Siemens Recent Developments

4.4 Fuji Electric

- 4.4.1 Fuji Electric Stationary Fuel Cell Company Information
- 4.4.2 Fuji Electric Stationary Fuel Cell Business Overview
- 4.4.3 Fuji Electric Stationary Fuel Cell Production, Value and Gross Margin (2019-2024)
- 4.4.4 Fuji Electric Product Portfolio
- 4.4.5 Fuji Electric Recent Developments

4.5 POSCO ENERGY

- 4.5.1 POSCO ENERGY Stationary Fuel Cell Company Information
- 4.5.2 POSCO ENERGY Stationary Fuel Cell Business Overview

- 4.5.3 POSCO ENERGY Stationary Fuel Cell Production, Value and Gross Margin (2019-2024)
- 4.5.4 POSCO ENERGY Product Portfolio
- 4.5.5 POSCO ENERGY Recent Developments
- 4.6 Bloom Energy
 - 4.6.1 Bloom Energy Stationary Fuel Cell Company Information
 - 4.6.2 Bloom Energy Stationary Fuel Cell Business Overview
 - 4.6.3 Bloom Energy Stationary Fuel Cell Production, Value and Gross Margin (2019-2024)
 - 4.6.4 Bloom Energy Product Portfolio
 - 4.6.5 Bloom Energy Recent Developments
- 4.7 JX Nippon
 - 4.7.1 JX Nippon Stationary Fuel Cell Company Information
 - 4.7.2 JX Nippon Stationary Fuel Cell Business Overview
 - 4.7.3 JX Nippon Stationary Fuel Cell Production, Value and Gross Margin (2019-2024)
 - 4.7.4 JX Nippon Product Portfolio
 - 4.7.5 JX Nippon Recent Developments
- 4.8 FuelCell Energy
 - 4.8.1 FuelCell Energy Stationary Fuel Cell Company Information
 - 4.8.2 FuelCell Energy Stationary Fuel Cell Business Overview
 - 4.8.3 FuelCell Energy Stationary Fuel Cell Production, Value and Gross Margin (2019-2024)
 - 4.8.4 FuelCell Energy Product Portfolio
 - 4.8.5 FuelCell Energy Recent Developments
- 4.9 Ballard Power
 - 4.9.1 Ballard Power Stationary Fuel Cell Company Information
 - 4.9.2 Ballard Power Stationary Fuel Cell Business Overview
 - 4.9.3 Ballard Power Stationary Fuel Cell Production, Value and Gross Margin (2019-2024)
 - 4.9.4 Ballard Power Product Portfolio
 - 4.9.5 Ballard Power Recent Developments
- 4.10 Plug Power
 - 4.10.1 Plug Power Stationary Fuel Cell Company Information
 - 4.10.2 Plug Power Stationary Fuel Cell Business Overview
 - 4.10.3 Plug Power Stationary Fuel Cell Production, Value and Gross Margin (2019-2024)
 - 4.10.4 Plug Power Product Portfolio
 - 4.10.5 Plug Power Recent Developments
- 4.11 Doosan PureCell America

- 4.11.1 Doosan PureCell America Stationary Fuel Cell Company Information
- 4.11.2 Doosan PureCell America Stationary Fuel Cell Business Overview
- 4.11.3 Doosan PureCell America Stationary Fuel Cell Production, Value and Gross Margin (2019-2024)
- 4.11.4 Doosan PureCell America Product Portfolio
- 4.11.5 Doosan PureCell America Recent Developments
- 4.12 Alteryg
 - 4.12.1 Alteryg Stationary Fuel Cell Company Information
 - 4.12.2 Alteryg Stationary Fuel Cell Business Overview
 - 4.12.3 Alteryg Stationary Fuel Cell Production, Value and Gross Margin (2019-2024)
 - 4.12.4 Alteryg Product Portfolio
 - 4.12.5 Alteryg Recent Developments
- 4.13 SOLIDpower
 - 4.13.1 SOLIDpower Stationary Fuel Cell Company Information
 - 4.13.2 SOLIDpower Stationary Fuel Cell Business Overview
 - 4.13.3 SOLIDpower Stationary Fuel Cell Production, Value and Gross Margin (2019-2024)
 - 4.13.4 SOLIDpower Product Portfolio
 - 4.13.5 SOLIDpower Recent Developments

5 GLOBAL STATIONARY FUEL CELL PRODUCTION BY REGION

- 5.1 Global Stationary Fuel Cell Production Estimates and Forecasts by Region: 2019 VS 2023 VS 2030
- 5.2 Global Stationary Fuel Cell Production by Region: 2019-2030
 - 5.2.1 Global Stationary Fuel Cell Production by Region: 2019-2024
 - 5.2.2 Global Stationary Fuel Cell Production Forecast by Region (2025-2030)
- 5.3 Global Stationary Fuel Cell Production Value Estimates and Forecasts by Region: 2019 VS 2023 VS 2030
- 5.4 Global Stationary Fuel Cell Production Value by Region: 2019-2030
 - 5.4.1 Global Stationary Fuel Cell Production Value by Region: 2019-2024
 - 5.4.2 Global Stationary Fuel Cell Production Value Forecast by Region (2025-2030)
- 5.5 Global Stationary Fuel Cell Market Price Analysis by Region (2019-2024)
- 5.6 Global Stationary Fuel Cell Production and Value, YOY Growth
 - 5.6.1 North America Stationary Fuel Cell Production Value Estimates and Forecasts (2019-2030)
 - 5.6.2 Europe Stationary Fuel Cell Production Value Estimates and Forecasts (2019-2030)
 - 5.6.3 China Stationary Fuel Cell Production Value Estimates and Forecasts

(2019-2030)

5.6.4 Japan Stationary Fuel Cell Production Value Estimates and Forecasts

(2019-2030)

5.6.5 South Korea Stationary Fuel Cell Production Value Estimates and Forecasts

(2019-2030)

6 GLOBAL STATIONARY FUEL CELL CONSUMPTION BY REGION

6.1 Global Stationary Fuel Cell Consumption Estimates and Forecasts by Region: 2019 VS 2023 VS 2030

6.2 Global Stationary Fuel Cell Consumption by Region (2019-2030)

6.2.1 Global Stationary Fuel Cell Consumption by Region: 2019-2030

6.2.2 Global Stationary Fuel Cell Forecasted Consumption by Region (2025-2030)

6.3 North America

6.3.1 North America Stationary Fuel Cell Consumption Growth Rate by Country: 2019 VS 2023 VS 2030

6.3.2 North America Stationary Fuel Cell Consumption by Country (2019-2030)

6.3.3 U.S.

6.3.4 Canada

6.4 Europe

6.4.1 Europe Stationary Fuel Cell Consumption Growth Rate by Country: 2019 VS 2023 VS 2030

6.4.2 Europe Stationary Fuel Cell Consumption by Country (2019-2030)

6.4.3 Germany

6.4.4 France

6.4.5 U.K.

6.4.6 Italy

6.4.7 Russia

6.5 Asia Pacific

6.5.1 Asia Pacific Stationary Fuel Cell Consumption Growth Rate by Country: 2019 VS 2023 VS 2030

6.5.2 Asia Pacific Stationary Fuel Cell Consumption by Country (2019-2030)

6.5.3 China

6.5.4 Japan

6.5.5 South Korea

6.5.6 China Taiwan

6.5.7 Southeast Asia

6.5.8 India

6.5.9 Australia

6.6 Latin America, Middle East & Africa

6.6.1 Latin America, Middle East & Africa Stationary Fuel Cell Consumption Growth Rate by Country: 2019 VS 2023 VS 2030

6.6.2 Latin America, Middle East & Africa Stationary Fuel Cell Consumption by Country (2019-2030)

6.6.3 Mexico

6.6.4 Brazil

6.6.5 Turkey

6.6.5 GCC Countries

7 SEGMENT BY TYPE

7.1 Global Stationary Fuel Cell Production by Type (2019-2030)

7.1.1 Global Stationary Fuel Cell Production by Type (2019-2030) & (MW)

7.1.2 Global Stationary Fuel Cell Production Market Share by Type (2019-2030)

7.2 Global Stationary Fuel Cell Production Value by Type (2019-2030)

7.2.1 Global Stationary Fuel Cell Production Value by Type (2019-2030) & (US\$ Million)

7.2.2 Global Stationary Fuel Cell Production Value Market Share by Type (2019-2030)

7.3 Global Stationary Fuel Cell Price by Type (2019-2030)

8 SEGMENT BY APPLICATION

8.1 Global Stationary Fuel Cell Production by Application (2019-2030)

8.1.1 Global Stationary Fuel Cell Production by Application (2019-2030) & (MW)

8.1.2 Global Stationary Fuel Cell Production by Application (2019-2030) & (MW)

8.2 Global Stationary Fuel Cell Production Value by Application (2019-2030)

8.2.1 Global Stationary Fuel Cell Production Value by Application (2019-2030) & (US\$ Million)

8.2.2 Global Stationary Fuel Cell Production Value Market Share by Application (2019-2030)

8.3 Global Stationary Fuel Cell Price by Application (2019-2030)

9 VALUE CHAIN AND SALES CHANNELS ANALYSIS OF THE MARKET

9.1 Stationary Fuel Cell Value Chain Analysis

9.1.1 Stationary Fuel Cell Key Raw Materials

9.1.2 Raw Materials Key Suppliers

9.1.3 Stationary Fuel Cell Production Mode & Process

9.2 Stationary Fuel Cell Sales Channels Analysis

9.2.1 Direct Comparison with Distribution Share

9.2.2 Stationary Fuel Cell Distributors

9.2.3 Stationary Fuel Cell Customers

10 GLOBAL STATIONARY FUEL CELL ANALYZING MARKET DYNAMICS

10.1 Stationary Fuel Cell Industry Trends

10.2 Stationary Fuel Cell Industry Drivers

10.3 Stationary Fuel Cell Industry Opportunities and Challenges

10.4 Stationary Fuel Cell Industry Restraints

11 REPORT CONCLUSION

12 DISCLAIMER

List Of Tables

LIST OF TABLES

Table 1. Secondary Sources

Table 2. Primary Sources

Table 3. Market Value Comparison by Type (2019 VS 2023 VS 2030) & (US\$ Million)

Table 4. Market Value Comparison by Application (2019 VS 2023 VS 2030) & (US\$ Million)

Table 5. Global Stationary Fuel Cell Production by Manufacturers (MW) & (2019-2024)

Table 6. Global Stationary Fuel Cell Production Market Share by Manufacturers

Table 7. Global Stationary Fuel Cell Production Value by Manufacturers (US\$ Million) & (2019-2024)

Table 8. Global Stationary Fuel Cell Production Value Market Share by Manufacturers (2019-2024)

Table 9. Global Stationary Fuel Cell Average Price (USD/KW) of Key Manufacturers (2019-2024)

Table 10. Global Stationary Fuel Cell Industry Manufacturers Ranking, 2022 VS 2023 VS 2024

Table 11. Global Stationary Fuel Cell Manufacturers, Product Type & Application

Table 12. Global Manufacturers Market Concentration Ratio (CR5 and HHI)

Table 13. Global Stationary Fuel Cell by Manufacturers Type (Tier 1, Tier 2, and Tier 3) & (based on the Production Value of 2023)

Table 14. Manufacturers Mergers & Acquisitions, Expansion Plans)

Table 15. Panasonic Stationary Fuel Cell Company Information

Table 16. Panasonic Business Overview

Table 17. Panasonic Stationary Fuel Cell Production (MW), Value (US\$ Million), Price (USD/KW) and Gross Margin (2019-2024)

Table 18. Panasonic Product Portfolio

Table 19. Panasonic Recent Developments

Table 20. Toshiba Stationary Fuel Cell Company Information

Table 21. Toshiba Business Overview

Table 22. Toshiba Stationary Fuel Cell Production (MW), Value (US\$ Million), Price (USD/KW) and Gross Margin (2019-2024)

Table 23. Toshiba Product Portfolio

Table 24. Toshiba Recent Developments

Table 25. Siemens Stationary Fuel Cell Company Information

Table 26. Siemens Business Overview

Table 27. Siemens Stationary Fuel Cell Production (MW), Value (US\$ Million), Price

(USD/KW) and Gross Margin (2019-2024)

Table 28. Siemens Product Portfolio

Table 29. Siemens Recent Developments

Table 30. Fuji Electric Stationary Fuel Cell Company Information

Table 31. Fuji Electric Business Overview

Table 32. Fuji Electric Stationary Fuel Cell Production (MW), Value (US\$ Million), Price (USD/KW) and Gross Margin (2019-2024)

Table 33. Fuji Electric Product Portfolio

Table 34. Fuji Electric Recent Developments

Table 35. POSCO ENERGY Stationary Fuel Cell Company Information

Table 36. POSCO ENERGY Business Overview

Table 37. POSCO ENERGY Stationary Fuel Cell Production (MW), Value (US\$ Million), Price (USD/KW) and Gross Margin (2019-2024)

Table 38. POSCO ENERGY Product Portfolio

Table 39. POSCO ENERGY Recent Developments

Table 40. Bloom Energy Stationary Fuel Cell Company Information

Table 41. Bloom Energy Business Overview

Table 42. Bloom Energy Stationary Fuel Cell Production (MW), Value (US\$ Million), Price (USD/KW) and Gross Margin (2019-2024)

Table 43. Bloom Energy Product Portfolio

Table 44. Bloom Energy Recent Developments

Table 45. JX Nippon Stationary Fuel Cell Company Information

Table 46. JX Nippon Business Overview

Table 47. JX Nippon Stationary Fuel Cell Production (MW), Value (US\$ Million), Price (USD/KW) and Gross Margin (2019-2024)

Table 48. JX Nippon Product Portfolio

Table 49. JX Nippon Recent Developments

Table 50. FuelCell Energy Stationary Fuel Cell Company Information

Table 51. FuelCell Energy Business Overview

Table 52. FuelCell Energy Stationary Fuel Cell Production (MW), Value (US\$ Million), Price (USD/KW) and Gross Margin (2019-2024)

Table 53. FuelCell Energy Product Portfolio

Table 54. FuelCell Energy Recent Developments

Table 55. Ballard Power Stationary Fuel Cell Company Information

Table 56. Ballard Power Business Overview

Table 57. Ballard Power Stationary Fuel Cell Production (MW), Value (US\$ Million), Price (USD/KW) and Gross Margin (2019-2024)

Table 58. Ballard Power Product Portfolio

Table 59. Ballard Power Recent Developments

- Table 60. Plug Power Stationary Fuel Cell Company Information
- Table 61. Plug Power Business Overview
- Table 62. Plug Power Stationary Fuel Cell Production (MW), Value (US\$ Million), Price (USD/KW) and Gross Margin (2019-2024)
- Table 63. Plug Power Product Portfolio
- Table 64. Plug Power Recent Developments
- Table 65. Doosan PureCell America Stationary Fuel Cell Company Information
- Table 66. Doosan PureCell America Business Overview
- Table 67. Doosan PureCell America Stationary Fuel Cell Production (MW), Value (US\$ Million), Price (USD/KW) and Gross Margin (2019-2024)
- Table 68. Doosan PureCell America Product Portfolio
- Table 69. Doosan PureCell America Recent Developments
- Table 70. Alteryg Stationary Fuel Cell Company Information
- Table 71. Alteryg Business Overview
- Table 72. Alteryg Stationary Fuel Cell Production (MW), Value (US\$ Million), Price (USD/KW) and Gross Margin (2019-2024)
- Table 73. Alteryg Product Portfolio
- Table 74. Alteryg Recent Developments
- Table 75. SOLIDpower Stationary Fuel Cell Company Information
- Table 76. SOLIDpower Business Overview
- Table 77. SOLIDpower Stationary Fuel Cell Production (MW), Value (US\$ Million), Price (USD/KW) and Gross Margin (2019-2024)
- Table 78. SOLIDpower Product Portfolio
- Table 79. SOLIDpower Recent Developments
- Table 80. Global Stationary Fuel Cell Production Comparison by Region: 2019 VS 2023 VS 2030 (MW)
- Table 81. Global Stationary Fuel Cell Production by Region (2019-2024) & (MW)
- Table 82. Global Stationary Fuel Cell Production Market Share by Region (2019-2024)
- Table 83. Global Stationary Fuel Cell Production Forecast by Region (2025-2030) & (MW)
- Table 84. Global Stationary Fuel Cell Production Market Share Forecast by Region (2025-2030)
- Table 85. Global Stationary Fuel Cell Production Value Comparison by Region: 2019 VS 2023 VS 2030 (US\$ Million)
- Table 86. Global Stationary Fuel Cell Production Value by Region (2019-2024) & (US\$ Million)
- Table 87. Global Stationary Fuel Cell Production Value Market Share by Region (2019-2024)
- Table 88. Global Stationary Fuel Cell Production Value Forecast by Region (2025-2030)

& (US\$ Million)

Table 89. Global Stationary Fuel Cell Production Value Market Share Forecast by Region (2025-2030)

Table 90. Global Stationary Fuel Cell Market Average Price (USD/KW) by Region (2019-2024)

Table 91. Global Stationary Fuel Cell Consumption Comparison by Region: 2019 VS 2023 VS 2030 (MW)

Table 92. Global Stationary Fuel Cell Consumption by Region (2019-2024) & (MW)

Table 93. Global Stationary Fuel Cell Consumption Market Share by Region (2019-2024)

Table 94. Global Stationary Fuel Cell Forecasted Consumption by Region (2025-2030) & (MW)

Table 95. Global Stationary Fuel Cell Forecasted Consumption Market Share by Region (2025-2030)

Table 96. North America Stationary Fuel Cell Consumption Growth Rate by Country: 2019 VS 2023 VS 2030 (MW)

Table 97. North America Stationary Fuel Cell Consumption by Country (2019-2024) & (MW)

Table 98. North America Stationary Fuel Cell Consumption by Country (2025-2030) & (MW)

Table 99. Europe Stationary Fuel Cell Consumption Growth Rate by Country: 2019 VS 2023 VS 2030 (MW)

Table 100. Europe Stationary Fuel Cell Consumption by Country (2019-2024) & (MW)

Table 101. Europe Stationary Fuel Cell Consumption by Country (2025-2030) & (MW)

Table 102. Asia Pacific Stationary Fuel Cell Consumption Growth Rate by Country: 2019 VS 2023 VS 2030 (MW)

Table 103. Asia Pacific Stationary Fuel Cell Consumption by Country (2019-2024) & (MW)

Table 104. Asia Pacific Stationary Fuel Cell Consumption by Country (2025-2030) & (MW)

Table 105. Latin America, Middle East & Africa Stationary Fuel Cell Consumption Growth Rate by Country: 2019 VS 2023 VS 2030 (MW)

Table 106. Latin America, Middle East & Africa Stationary Fuel Cell Consumption by Country (2019-2024) & (MW)

Table 107. Latin America, Middle East & Africa Stationary Fuel Cell Consumption by Country (2025-2030) & (MW)

Table 108. Global Stationary Fuel Cell Production by Type (2019-2024) & (MW)

Table 109. Global Stationary Fuel Cell Production by Type (2025-2030) & (MW)

Table 110. Global Stationary Fuel Cell Production Market Share by Type (2019-2024)

Table 111. Global Stationary Fuel Cell Production Market Share by Type (2025-2030)

Table 112. Global Stationary Fuel Cell Production Value by Type (2019-2024) & (US\$ Million)

Table 113. Global Stationary Fuel Cell Production Value by Type (2025-2030) & (US\$ Million)

Table 114. Global Stationary Fuel Cell Production Value Market Share by Type (2019-2024)

Table 115. Global Stationary Fuel Cell Production Value Market Share by Type (2025-2030)

Table 116. Global Stationary Fuel Cell Price by Type (2019-2024) & (USD/KW)

Table 117. Global Stationary Fuel Cell Price by Type (2025-2030) & (USD/KW)

Table 118. Global Stationary Fuel Cell Production by Application (2019-2024) & (MW)

Table 119. Global Stationary Fuel Cell Production by Application (2025-2030) & (MW)

Table 120. Global Stationary Fuel Cell Production Market Share by Application (2019-2024)

Table 121. Global Stationary Fuel Cell Production Market Share by Application (2025-2030)

Table 122. Global Stationary Fuel Cell Production Value by Application (2019-2024) & (US\$ Million)

Table 123. Global Stationary Fuel Cell Production Value by Application (2025-2030) & (US\$ Million)

Table 124. Global Stationary Fuel Cell Production Value Market Share by Application (2019-2024)

Table 125. Global Stationary Fuel Cell Production Value Market Share by Application (2025-2030)

Table 126. Global Stationary Fuel Cell Price by Application (2019-2024) & (USD/KW)

Table 127. Global Stationary Fuel Cell Price by Application (2025-2030) & (USD/KW)

Table 128. Key Raw Materials

Table 129. Raw Materials Key Suppliers

Table 130. Stationary Fuel Cell Distributors List

Table 131. Stationary Fuel Cell Customers List

Table 132. Stationary Fuel Cell Industry Trends

Table 133. Stationary Fuel Cell Industry Drivers

Table 134. Stationary Fuel Cell Industry Restraints

Table 135. Authors List of This Report

List Of Figures

LIST OF FIGURES

Figure 1. Research Methodology

Figure 2. Research Process

Figure 3. Key Executives Interviewed

Figure 4. Stationary Fuel Cell Product Picture

Figure 5. Market Value Comparison by Type (2019 VS 2023 VS 2030) & (US\$ Million)

Figure 6. 0-1 KW Product Picture

Figure 7. 1-4 KW Product Picture

Figure 8. Above 4 KW Product Picture

Figure 9. Residential Product Picture

Figure 10. Telecommunications Network Product Picture

Figure 11. Secure Communications Product Picture

Figure 12. Other Product Picture

Figure 13. Global Stationary Fuel Cell Production Value (US\$ Million), 2019 VS 2023 VS 2030

Figure 14. Global Stationary Fuel Cell Production Value (2019-2030) & (US\$ Million)

Figure 15. Global Stationary Fuel Cell Production Capacity (2019-2030) & (MW)

Figure 16. Global Stationary Fuel Cell Production (2019-2030) & (MW)

Figure 17. Global Stationary Fuel Cell Average Price (USD/KW) & (2019-2030)

Figure 18. Global Stationary Fuel Cell Key Manufacturers, Manufacturing Sites & Headquarters

Figure 19. Global Stationary Fuel Cell Manufacturers, Date of Enter into This Industry

Figure 20. Global Top 5 and 10 Stationary Fuel Cell Players Market Share by Production Value in 2023

Figure 21. Manufacturers Type (Tier 1, Tier 2, and Tier 3): 2019 VS 2023

Figure 22. Global Stationary Fuel Cell Production Comparison by Region: 2019 VS 2023 VS 2030 (MW)

Figure 23. Global Stationary Fuel Cell Production Market Share by Region: 2019 VS 2023 VS 2030

Figure 24. Global Stationary Fuel Cell Production Value Comparison by Region: 2019 VS 2023 VS 2030 (US\$ Million)

Figure 25. Global Stationary Fuel Cell Production Value Market Share by Region: 2019 VS 2023 VS 2030

Figure 26. North America Stationary Fuel Cell Production Value (US\$ Million) Growth Rate (2019-2030)

Figure 27. Europe Stationary Fuel Cell Production Value (US\$ Million) Growth Rate

(2019-2030)

Figure 28. China Stationary Fuel Cell Production Value (US\$ Million) Growth Rate (2019-2030)

Figure 29. Japan Stationary Fuel Cell Production Value (US\$ Million) Growth Rate (2019-2030)

Figure 30. South Korea Stationary Fuel Cell Production Value (US\$ Million) Growth Rate (2019-2030)

Figure 31. Global Stationary Fuel Cell Consumption Comparison by Region: 2019 VS 2023 VS 2030 (MW)

Figure 32. Global Stationary Fuel Cell Consumption Market Share by Region: 2019 VS 2023 VS 2030

Figure 33. North America Stationary Fuel Cell Consumption and Growth Rate (2019-2030) & (MW)

Figure 34. North America Stationary Fuel Cell Consumption Market Share by Country (2019-2030)

Figure 35. United States Stationary Fuel Cell Consumption and Growth Rate (2019-2030) & (MW)

Figure 36. Canada Stationary Fuel Cell Consumption and Growth Rate (2019-2030) & (MW)

Figure 37. Europe Stationary Fuel Cell Consumption and Growth Rate (2019-2030) & (MW)

Figure 38. Europe Stationary Fuel Cell Consumption Market Share by Country (2019-2030)

Figure 39. Germany Stationary Fuel Cell Consumption and Growth Rate (2019-2030) & (MW)

Figure 40. France Stationary Fuel Cell Consumption and Growth Rate (2019-2030) & (MW)

Figure 41. U.K. Stationary Fuel Cell Consumption and Growth Rate (2019-2030) & (MW)

Figure 42. Italy Stationary Fuel Cell Consumption and Growth Rate (2019-2030) & (MW)

Figure 43. Netherlands Stationary Fuel Cell Consumption and Growth Rate (2019-2030) & (MW)

Figure 44. Asia Pacific Stationary Fuel Cell Consumption and Growth Rate (2019-2030) & (MW)

Figure 45. Asia Pacific Stationary Fuel Cell Consumption Market Share by Country (2019-2030)

Figure 46. China Stationary Fuel Cell Consumption and Growth Rate (2019-2030) & (MW)

Figure 47. Japan Stationary Fuel Cell Consumption and Growth Rate (2019-2030) & (MW)

Figure 48. South Korea Stationary Fuel Cell Consumption and Growth Rate (2019-2030) & (MW)

Figure 49. China Taiwan Stationary Fuel Cell Consumption and Growth Rate (2019-2030) & (MW)

Figure 50. Southeast Asia Stationary Fuel Cell Consumption and Growth Rate (2019-2030) & (MW)

Figure 51. India Stationary Fuel Cell Consumption and Growth Rate (2019-2030) & (MW)

Figure 52. Australia Stationary Fuel Cell Consumption and Growth Rate (2019-2030) & (MW)

Figure 53. Latin America, Middle East & Africa Stationary Fuel Cell Consumption and Growth Rate (2019-2030) & (MW)

Figure 54. Latin America, Middle East & Africa Stationary Fuel Cell Consumption Market Share by Country (2019-2030)

Figure 55. Mexico Stationary Fuel Cell Consumption and Growth Rate (2019-2030) & (MW)

Figure 56. Brazil Stationary Fuel Cell Consumption and Growth Rate (2019-2030) & (MW)

Figure 57. Turkey Stationary Fuel Cell Consumption and Growth Rate (2019-2030) & (MW)

Figure 58. GCC Countries Stationary Fuel Cell Consumption and Growth Rate (2019-2030) & (MW)

Figure 59. Global Stationary Fuel Cell Production Market Share by Type (2019-2030)

Figure 60. Global Stationary Fuel Cell Production Value Market Share by Type (2019-2030)

Figure 61. Global Stationary Fuel Cell Price (USD/KW) by Type (2019-2030)

Figure 62. Global Stationary Fuel Cell Production Market Share by Application (2019-2030)

Figure 63. Global Stationary Fuel Cell Production Value Market Share by Application (2019-2030)

Figure 64. Global Stationary Fuel Cell Price (USD/KW) by Application (2019-2030)

Figure 65. Stationary Fuel Cell Value Chain

Figure 66. Stationary Fuel Cell Production Mode & Process

Figure 67. Direct Comparison with Distribution Share

Figure 68. Distributors Profiles

Figure 69. Stationary Fuel Cell Industry Opportunities and Challenges

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