

# Global PEM Fuel Cells Backup Power Units Market Research Report 2024(Status and Outlook)

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## Abstracts

### Report Overview:

Proton-exchange membrane fuel cells (PEMFC), also known as polymer electrolyte membrane (PEM) fuel cells, have distinguishing features include lower temperature/pressure ranges (50 to 100 °C) and a special proton-conducting polymer electrolyte membrane. Polymer Electrolyte Membrane (PEM) Fuel Cells Backup Power Units is a fuel cell stack + intelligent control system + air and heat dissipation system integrated into a power generation unit designed to provide convenient power supply in emergency situations or mobile situations without mains power.

The Global PEM Fuel Cells Backup Power Units Market Size was estimated at USD 133.36 million in 2023 and is projected to reach USD 634.83 million by 2029, exhibiting a CAGR of 29.70% during the forecast period.

This report provides a deep insight into the global PEM Fuel Cells Backup Power Units market covering all its essential aspects. This ranges from a macro overview of the market to micro details of the market size, competitive landscape, development trend, niche market, key market drivers and challenges, SWOT analysis, Porter's five forces analysis, value chain analysis, etc.

The analysis helps the reader to shape the competition within the industries and strategies for the competitive environment to enhance the potential profit. Furthermore, it provides a simple framework for evaluating and accessing the position of the business organization. The report structure also focuses on the competitive landscape of the Global PEM Fuel Cells Backup Power Units Market, this report introduces in detail the market share, market performance, product situation, operation situation, etc. of the

main players, which helps the readers in the industry to identify the main competitors and deeply understand the competition pattern of the market.

In a word, this report is a must-read for industry players, investors, researchers, consultants, business strategists, and all those who have any kind of stake or are planning to foray into the PEM Fuel Cells Backup Power Units market in any manner.

### Global PEM Fuel Cells Backup Power Units Market: Market Segmentation Analysis

The research report includes specific segments by region (country), manufacturers, Type, and Application. Market segmentation creates subsets of a market based on product type, end-user or application, Geographic, and other factors. By understanding the market segments, the decision-maker can leverage this targeting in the product, sales, and marketing strategies. Market segments can power your product development cycles by informing how you create product offerings for different segments.

#### Key Company

Plug Power

Alteryx

Ballard Power System

Toshiba ESS

GenCell

Nedstack

ALSTOM Hydrogene

Pearl Hydrogen

Sinosynergy

Suzhou Foresight Energy

Wuhan Himalaya Optoelectronics Technology

Zhejiang Neksonpower

Market Segmentation (by Type)

Stationary

Mobile

Market Segmentation (by Application)

Telecommunication

Data Centers

Hospital

Public Infrastructure

Others

Geographic Segmentation

North America (USA, Canada, Mexico)

Europe (Germany, UK, France, Russia, Italy, Rest of Europe)

Asia-Pacific (China, Japan, South Korea, India, Southeast Asia, Rest of Asia-Pacific)

South America (Brazil, Argentina, Columbia, Rest of South America)

The Middle East and Africa (Saudi Arabia, UAE, Egypt, Nigeria, South Africa, Rest of MEA)

Key Benefits of This Market Research:

Industry drivers, restraints, and opportunities covered in the study

Neutral perspective on the market performance

Recent industry trends and developments

Competitive landscape & strategies of key players

Potential & niche segments and regions exhibiting promising growth covered

Historical, current, and projected market size, in terms of value

In-depth analysis of the PEM Fuel Cells Backup Power Units Market

Overview of the regional outlook of the PEM Fuel Cells Backup Power Units Market:

#### Key Reasons to Buy this Report:

Access to date statistics compiled by our researchers. These provide you with historical and forecast data, which is analyzed to tell you why your market is set to change

This enables you to anticipate market changes to remain ahead of your competitors

You will be able to copy data from the Excel spreadsheet straight into your marketing plans, business presentations, or other strategic documents

The concise analysis, clear graph, and table format will enable you to pinpoint the information you require quickly

Provision of market value (USD Billion) data for each segment and sub-segment

Indicates the region and segment that is expected to witness the fastest growth as well as to dominate the market

Analysis by geography highlighting the consumption of the product/service in the region as well as indicating the factors that are affecting the market within each

region

Competitive landscape which incorporates the market ranking of the major players, along with new service/product launches, partnerships, business expansions, and acquisitions in the past five years of companies profiled

Extensive company profiles comprising of company overview, company insights, product benchmarking, and SWOT analysis for the major market players

The current as well as the future market outlook of the industry concerning recent developments which involve growth opportunities and drivers as well as challenges and restraints of both emerging as well as developed regions

Includes in-depth analysis of the market from various perspectives through Porter's five forces analysis

Provides insight into the market through Value Chain

Market dynamics scenario, along with growth opportunities of the market in the years to come

6-month post-sales analyst support

## Customization of the Report

In case of any queries or customization requirements, please connect with our sales team, who will ensure that your requirements are met.

Note: this report may need to undergo a final check or review and this could take about 48 hours.

## Chapter Outline

Chapter 1 mainly introduces the statistical scope of the report, market division standards, and market research methods.

Chapter 2 is an 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 PEM Fuel Cells Backup Power Units Market and its likely evolution in the short to mid-term, and long term.

Chapter 3 makes a detailed analysis of the Market's Competitive Landscape of the market and provides the market share, capacity, output, price, latest development plan, merger, and acquisition information of the main manufacturers in the market.

Chapter 4 is the analysis of the whole market industrial chain, including the upstream and downstream of the industry, as well as Porter's five forces analysis.

Chapter 5 introduces the 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 6 provides the analysis of various market segments according to product types, covering the market size and development potential of each market segment, to help readers find the blue ocean market in different market segments.

Chapter 7 provides the analysis of various market segments according to 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 8 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 capacity of each country in the world.

Chapter 9 introduces the basic situation of the main companies in the market in detail, including product sales revenue, sales volume, price, gross profit margin, market share, product introduction, recent development, etc.

Chapter 10 provides a quantitative analysis of the market size and development potential of each region in the next five years.

Chapter 11 provides a quantitative analysis of the market size and development potential of each market segment (product type and application) in the next five years.

Chapter 12 is the main points and conclusions of the report.

## Contents

### **1 RESEARCH METHODOLOGY AND STATISTICAL SCOPE**

1.1 Market Definition and Statistical Scope of PEM Fuel Cells Backup Power Units

1.2 Key Market Segments

1.2.1 PEM Fuel Cells Backup Power Units Segment by Type

1.2.2 PEM Fuel Cells Backup Power Units Segment by Application

1.3 Methodology & Sources of Information

1.3.1 Research Methodology

1.3.2 Research Process

1.3.3 Market Breakdown and Data Triangulation

1.3.4 Base Year

1.3.5 Report Assumptions & Caveats

### **2 PEM FUEL CELLS BACKUP POWER UNITS MARKET OVERVIEW**

2.1 Global Market Overview

2.1.1 Global PEM Fuel Cells Backup Power Units Market Size (M USD) Estimates and Forecasts (2019-2030)

2.1.2 Global PEM Fuel Cells Backup Power Units Sales Estimates and Forecasts (2019-2030)

2.2 Market Segment Executive Summary

2.3 Global Market Size by Region

### **3 PEM FUEL CELLS BACKUP POWER UNITS MARKET COMPETITIVE LANDSCAPE**

3.1 Global PEM Fuel Cells Backup Power Units Sales by Manufacturers (2019-2024)

3.2 Global PEM Fuel Cells Backup Power Units Revenue Market Share by Manufacturers (2019-2024)

3.3 PEM Fuel Cells Backup Power Units Market Share by Company Type (Tier 1, Tier 2, and Tier 3)

3.4 Global PEM Fuel Cells Backup Power Units Average Price by Manufacturers (2019-2024)

3.5 Manufacturers PEM Fuel Cells Backup Power Units Sales Sites, Area Served, Product Type

3.6 PEM Fuel Cells Backup Power Units Market Competitive Situation and Trends

3.6.1 PEM Fuel Cells Backup Power Units Market Concentration Rate

3.6.2 Global 5 and 10 Largest PEM Fuel Cells Backup Power Units Players Market Share by Revenue

3.6.3 Mergers & Acquisitions, Expansion

## **4 PEM FUEL CELLS BACKUP POWER UNITS INDUSTRY CHAIN ANALYSIS**

4.1 PEM Fuel Cells Backup Power Units Industry Chain Analysis

4.2 Market Overview of Key Raw Materials

4.3 Midstream Market Analysis

4.4 Downstream Customer Analysis

## **5 THE DEVELOPMENT AND DYNAMICS OF PEM FUEL CELLS BACKUP POWER UNITS MARKET**

5.1 Key Development Trends

5.2 Driving Factors

5.3 Market Challenges

5.4 Market Restraints

5.5 Industry News

5.5.1 New Product Developments

5.5.2 Mergers & Acquisitions

5.5.3 Expansions

5.5.4 Collaboration/Supply Contracts

5.6 Industry Policies

## **6 PEM FUEL CELLS BACKUP POWER UNITS MARKET SEGMENTATION BY TYPE**

6.1 Evaluation Matrix of Segment Market Development Potential (Type)

6.2 Global PEM Fuel Cells Backup Power Units Sales Market Share by Type (2019-2024)

6.3 Global PEM Fuel Cells Backup Power Units Market Size Market Share by Type (2019-2024)

6.4 Global PEM Fuel Cells Backup Power Units Price by Type (2019-2024)

## **7 PEM FUEL CELLS BACKUP POWER UNITS MARKET SEGMENTATION BY APPLICATION**

7.1 Evaluation Matrix of Segment Market Development Potential (Application)

7.2 Global PEM Fuel Cells Backup Power Units Market Sales by Application



(2019-2024)

7.3 Global PEM Fuel Cells Backup Power Units Market Size (M USD) by Application

(2019-2024)

7.4 Global PEM Fuel Cells Backup Power Units Sales Growth Rate by Application

(2019-2024)

## **8 PEM FUEL CELLS BACKUP POWER UNITS MARKET SEGMENTATION BY REGION**

8.1 Global PEM Fuel Cells Backup Power Units Sales by Region

8.1.1 Global PEM Fuel Cells Backup Power Units Sales by Region

8.1.2 Global PEM Fuel Cells Backup Power Units Sales Market Share by Region

8.2 North America

8.2.1 North America PEM Fuel Cells Backup Power Units Sales by Country

8.2.2 U.S.

8.2.3 Canada

8.2.4 Mexico

8.3 Europe

8.3.1 Europe PEM Fuel Cells Backup Power Units Sales by Country

8.3.2 Germany

8.3.3 France

8.3.4 U.K.

8.3.5 Italy

8.3.6 Russia

8.4 Asia Pacific

8.4.1 Asia Pacific PEM Fuel Cells Backup Power Units Sales by Region

8.4.2 China

8.4.3 Japan

8.4.4 South Korea

8.4.5 India

8.4.6 Southeast Asia

8.5 South America

8.5.1 South America PEM Fuel Cells Backup Power Units Sales by Country

8.5.2 Brazil

8.5.3 Argentina

8.5.4 Columbia

8.6 Middle East and Africa

8.6.1 Middle East and Africa PEM Fuel Cells Backup Power Units Sales by Region

8.6.2 Saudi Arabia

- 8.6.3 UAE
- 8.6.4 Egypt
- 8.6.5 Nigeria
- 8.6.6 South Africa

## **9 KEY COMPANIES PROFILE**

### 9.1 Plug Power

- 9.1.1 Plug Power PEM Fuel Cells Backup Power Units Basic Information
- 9.1.2 Plug Power PEM Fuel Cells Backup Power Units Product Overview
- 9.1.3 Plug Power PEM Fuel Cells Backup Power Units Product Market Performance
- 9.1.4 Plug Power Business Overview
- 9.1.5 Plug Power PEM Fuel Cells Backup Power Units SWOT Analysis
- 9.1.6 Plug Power Recent Developments

### 9.2 Alteryx

- 9.2.1 Alteryx PEM Fuel Cells Backup Power Units Basic Information
- 9.2.2 Alteryx PEM Fuel Cells Backup Power Units Product Overview
- 9.2.3 Alteryx PEM Fuel Cells Backup Power Units Product Market Performance
- 9.2.4 Alteryx Business Overview
- 9.2.5 Alteryx PEM Fuel Cells Backup Power Units SWOT Analysis
- 9.2.6 Alteryx Recent Developments

### 9.3 Ballard Power System

- 9.3.1 Ballard Power System PEM Fuel Cells Backup Power Units Basic Information
- 9.3.2 Ballard Power System PEM Fuel Cells Backup Power Units Product Overview
- 9.3.3 Ballard Power System PEM Fuel Cells Backup Power Units Product Market Performance
- 9.3.4 Ballard Power System PEM Fuel Cells Backup Power Units SWOT Analysis
- 9.3.5 Ballard Power System Business Overview
- 9.3.6 Ballard Power System Recent Developments

### 9.4 Toshiba ESS

- 9.4.1 Toshiba ESS PEM Fuel Cells Backup Power Units Basic Information
- 9.4.2 Toshiba ESS PEM Fuel Cells Backup Power Units Product Overview
- 9.4.3 Toshiba ESS PEM Fuel Cells Backup Power Units Product Market Performance
- 9.4.4 Toshiba ESS Business Overview
- 9.4.5 Toshiba ESS Recent Developments

### 9.5 GenCell

- 9.5.1 GenCell PEM Fuel Cells Backup Power Units Basic Information
- 9.5.2 GenCell PEM Fuel Cells Backup Power Units Product Overview
- 9.5.3 GenCell PEM Fuel Cells Backup Power Units Product Market Performance

- 9.5.4 GenCell Business Overview
- 9.5.5 GenCell Recent Developments
- 9.6 Nedstack
  - 9.6.1 Nedstack PEM Fuel Cells Backup Power Units Basic Information
  - 9.6.2 Nedstack PEM Fuel Cells Backup Power Units Product Overview
  - 9.6.3 Nedstack PEM Fuel Cells Backup Power Units Product Market Performance
  - 9.6.4 Nedstack Business Overview
  - 9.6.5 Nedstack Recent Developments
- 9.7 ALSTOM Hydrog?ne
  - 9.7.1 ALSTOM Hydrog?ne PEM Fuel Cells Backup Power Units Basic Information
  - 9.7.2 ALSTOM Hydrog?ne PEM Fuel Cells Backup Power Units Product Overview
  - 9.7.3 ALSTOM Hydrog?ne PEM Fuel Cells Backup Power Units Product Market Performance
  - 9.7.4 ALSTOM Hydrog?ne Business Overview
  - 9.7.5 ALSTOM Hydrog?ne Recent Developments
- 9.8 Pearl Hydrogen
  - 9.8.1 Pearl Hydrogen PEM Fuel Cells Backup Power Units Basic Information
  - 9.8.2 Pearl Hydrogen PEM Fuel Cells Backup Power Units Product Overview
  - 9.8.3 Pearl Hydrogen PEM Fuel Cells Backup Power Units Product Market Performance
  - 9.8.4 Pearl Hydrogen Business Overview
  - 9.8.5 Pearl Hydrogen Recent Developments
- 9.9 Sinosynergy
  - 9.9.1 Sinosynergy PEM Fuel Cells Backup Power Units Basic Information
  - 9.9.2 Sinosynergy PEM Fuel Cells Backup Power Units Product Overview
  - 9.9.3 Sinosynergy PEM Fuel Cells Backup Power Units Product Market Performance
  - 9.9.4 Sinosynergy Business Overview
  - 9.9.5 Sinosynergy Recent Developments
- 9.10 Suzhou Foresight Energy
  - 9.10.1 Suzhou Foresight Energy PEM Fuel Cells Backup Power Units Basic Information
  - 9.10.2 Suzhou Foresight Energy PEM Fuel Cells Backup Power Units Product Overview
  - 9.10.3 Suzhou Foresight Energy PEM Fuel Cells Backup Power Units Product Market Performance
  - 9.10.4 Suzhou Foresight Energy Business Overview
  - 9.10.5 Suzhou Foresight Energy Recent Developments
- 9.11 Wuhan Himalaya Optoelectronics Technology
  - 9.11.1 Wuhan Himalaya Optoelectronics Technology PEM Fuel Cells Backup Power

## Units Basic Information

9.11.2 Wuhan Himalaya Optoelectronics Technology PEM Fuel Cells Backup Power

## Units Product Overview

9.11.3 Wuhan Himalaya Optoelectronics Technology PEM Fuel Cells Backup Power

## Units Product Market Performance

9.11.4 Wuhan Himalaya Optoelectronics Technology Business Overview

9.11.5 Wuhan Himalaya Optoelectronics Technology Recent Developments

## 9.12 Zhejiang Neksonpower

9.12.1 Zhejiang Neksonpower PEM Fuel Cells Backup Power Units Basic Information

9.12.2 Zhejiang Neksonpower PEM Fuel Cells Backup Power Units Product Overview

9.12.3 Zhejiang Neksonpower PEM Fuel Cells Backup Power Units Product Market

## Performance

9.12.4 Zhejiang Neksonpower Business Overview

9.12.5 Zhejiang Neksonpower Recent Developments

## **10 PEM FUEL CELLS BACKUP POWER UNITS MARKET FORECAST BY REGION**

10.1 Global PEM Fuel Cells Backup Power Units Market Size Forecast

10.2 Global PEM Fuel Cells Backup Power Units Market Forecast by Region

10.2.1 North America Market Size Forecast by Country

10.2.2 Europe PEM Fuel Cells Backup Power Units Market Size Forecast by Country

10.2.3 Asia Pacific PEM Fuel Cells Backup Power Units Market Size Forecast by Region

10.2.4 South America PEM Fuel Cells Backup Power Units Market Size Forecast by Country

10.2.5 Middle East and Africa Forecasted Consumption of PEM Fuel Cells Backup Power Units by Country

## **11 FORECAST MARKET BY TYPE AND BY APPLICATION (2025-2030)**

11.1 Global PEM Fuel Cells Backup Power Units Market Forecast by Type (2025-2030)

11.1.1 Global Forecasted Sales of PEM Fuel Cells Backup Power Units by Type (2025-2030)

11.1.2 Global PEM Fuel Cells Backup Power Units Market Size Forecast by Type (2025-2030)

11.1.3 Global Forecasted Price of PEM Fuel Cells Backup Power Units by Type (2025-2030)

11.2 Global PEM Fuel Cells Backup Power Units Market Forecast by Application (2025-2030)

11.2.1 Global PEM Fuel Cells Backup Power Units Sales (K Units) Forecast by Application

11.2.2 Global PEM Fuel Cells Backup Power Units Market Size (M USD) Forecast by Application (2025-2030)

## **12 CONCLUSION AND KEY FINDINGS**

## List Of Tables

### LIST OF TABLES

Table 1. Introduction of the Type

Table 2. Introduction of the Application

Table 3. Market Size (M USD) Segment Executive Summary

Table 4. PEM Fuel Cells Backup Power Units Market Size Comparison by Region (M USD)

Table 5. Global PEM Fuel Cells Backup Power Units Sales (K Units) by Manufacturers (2019-2024)

Table 6. Global PEM Fuel Cells Backup Power Units Sales Market Share by Manufacturers (2019-2024)

Table 7. Global PEM Fuel Cells Backup Power Units Revenue (M USD) by Manufacturers (2019-2024)

Table 8. Global PEM Fuel Cells Backup Power Units Revenue Share by Manufacturers (2019-2024)

Table 9. Company Type (Tier 1, Tier 2, and Tier 3) & (based on the Revenue in PEM Fuel Cells Backup Power Units as of 2022)

Table 10. Global Market PEM Fuel Cells Backup Power Units Average Price (USD/Unit) of Key Manufacturers (2019-2024)

Table 11. Manufacturers PEM Fuel Cells Backup Power Units Sales Sites and Area Served

Table 12. Manufacturers PEM Fuel Cells Backup Power Units Product Type

Table 13. Global PEM Fuel Cells Backup Power Units Manufacturers Market Concentration Ratio (CR5 and HHI)

Table 14. Mergers & Acquisitions, Expansion Plans

Table 15. Industry Chain Map of PEM Fuel Cells Backup Power Units

Table 16. Market Overview of Key Raw Materials

Table 17. Midstream Market Analysis

Table 18. Downstream Customer Analysis

Table 19. Key Development Trends

Table 20. Driving Factors

Table 21. PEM Fuel Cells Backup Power Units Market Challenges

Table 22. Global PEM Fuel Cells Backup Power Units Sales by Type (K Units)

Table 23. Global PEM Fuel Cells Backup Power Units Market Size by Type (M USD)

Table 24. Global PEM Fuel Cells Backup Power Units Sales (K Units) by Type (2019-2024)

Table 25. Global PEM Fuel Cells Backup Power Units Sales Market Share by Type

(2019-2024)

Table 26. Global PEM Fuel Cells Backup Power Units Market Size (M USD) by Type (2019-2024)

Table 27. Global PEM Fuel Cells Backup Power Units Market Size Share by Type (2019-2024)

Table 28. Global PEM Fuel Cells Backup Power Units Price (USD/Unit) by Type (2019-2024)

Table 29. Global PEM Fuel Cells Backup Power Units Sales (K Units) by Application

Table 30. Global PEM Fuel Cells Backup Power Units Market Size by Application

Table 31. Global PEM Fuel Cells Backup Power Units Sales by Application (2019-2024) & (K Units)

Table 32. Global PEM Fuel Cells Backup Power Units Sales Market Share by Application (2019-2024)

Table 33. Global PEM Fuel Cells Backup Power Units Sales by Application (2019-2024) & (M USD)

Table 34. Global PEM Fuel Cells Backup Power Units Market Share by Application (2019-2024)

Table 35. Global PEM Fuel Cells Backup Power Units Sales Growth Rate by Application (2019-2024)

Table 36. Global PEM Fuel Cells Backup Power Units Sales by Region (2019-2024) & (K Units)

Table 37. Global PEM Fuel Cells Backup Power Units Sales Market Share by Region (2019-2024)

Table 38. North America PEM Fuel Cells Backup Power Units Sales by Country (2019-2024) & (K Units)

Table 39. Europe PEM Fuel Cells Backup Power Units Sales by Country (2019-2024) & (K Units)

Table 40. Asia Pacific PEM Fuel Cells Backup Power Units Sales by Region (2019-2024) & (K Units)

Table 41. South America PEM Fuel Cells Backup Power Units Sales by Country (2019-2024) & (K Units)

Table 42. Middle East and Africa PEM Fuel Cells Backup Power Units Sales by Region (2019-2024) & (K Units)

Table 43. Plug Power PEM Fuel Cells Backup Power Units Basic Information

Table 44. Plug Power PEM Fuel Cells Backup Power Units Product Overview

Table 45. Plug Power PEM Fuel Cells Backup Power Units Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2019-2024)

Table 46. Plug Power Business Overview

Table 47. Plug Power PEM Fuel Cells Backup Power Units SWOT Analysis



- Table 48. Plug Power Recent Developments
- Table 49. Alteryg PEM Fuel Cells Backup Power Units Basic Information
- Table 50. Alteryg PEM Fuel Cells Backup Power Units Product Overview
- Table 51. Alteryg PEM Fuel Cells Backup Power Units Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2019-2024)
- Table 52. Alteryg Business Overview
- Table 53. Alteryg PEM Fuel Cells Backup Power Units SWOT Analysis
- Table 54. Alteryg Recent Developments
- Table 55. Ballard Power System PEM Fuel Cells Backup Power Units Basic Information
- Table 56. Ballard Power System PEM Fuel Cells Backup Power Units Product Overview
- Table 57. Ballard Power System PEM Fuel Cells Backup Power Units Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2019-2024)
- Table 58. Ballard Power System PEM Fuel Cells Backup Power Units SWOT Analysis
- Table 59. Ballard Power System Business Overview
- Table 60. Ballard Power System Recent Developments
- Table 61. Toshiba ESS PEM Fuel Cells Backup Power Units Basic Information
- Table 62. Toshiba ESS PEM Fuel Cells Backup Power Units Product Overview
- Table 63. Toshiba ESS PEM Fuel Cells Backup Power Units Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2019-2024)
- Table 64. Toshiba ESS Business Overview
- Table 65. Toshiba ESS Recent Developments
- Table 66. GenCell PEM Fuel Cells Backup Power Units Basic Information
- Table 67. GenCell PEM Fuel Cells Backup Power Units Product Overview
- Table 68. GenCell PEM Fuel Cells Backup Power Units Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2019-2024)
- Table 69. GenCell Business Overview
- Table 70. GenCell Recent Developments
- Table 71. Nedstack PEM Fuel Cells Backup Power Units Basic Information
- Table 72. Nedstack PEM Fuel Cells Backup Power Units Product Overview
- Table 73. Nedstack PEM Fuel Cells Backup Power Units Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2019-2024)
- Table 74. Nedstack Business Overview
- Table 75. Nedstack Recent Developments
- Table 76. ALSTOM Hydrog?ne PEM Fuel Cells Backup Power Units Basic Information
- Table 77. ALSTOM Hydrog?ne PEM Fuel Cells Backup Power Units Product Overview
- Table 78. ALSTOM Hydrog?ne PEM Fuel Cells Backup Power Units Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2019-2024)
- Table 79. ALSTOM Hydrog?ne Business Overview
- Table 80. ALSTOM Hydrog?ne Recent Developments



Table 81. Pearl Hydrogen PEM Fuel Cells Backup Power Units Basic Information

Table 82. Pearl Hydrogen PEM Fuel Cells Backup Power Units Product Overview

Table 83. Pearl Hydrogen PEM Fuel Cells Backup Power Units Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2019-2024)

Table 84. Pearl Hydrogen Business Overview

Table 85. Pearl Hydrogen Recent Developments

Table 86. Sinosynergy PEM Fuel Cells Backup Power Units Basic Information

Table 87. Sinosynergy PEM Fuel Cells Backup Power Units Product Overview

Table 88. Sinosynergy PEM Fuel Cells Backup Power Units Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2019-2024)

Table 89. Sinosynergy Business Overview

Table 90. Sinosynergy Recent Developments

Table 91. Suzhou Foresight Energy PEM Fuel Cells Backup Power Units Basic Information

Table 92. Suzhou Foresight Energy PEM Fuel Cells Backup Power Units Product Overview

Table 93. Suzhou Foresight Energy PEM Fuel Cells Backup Power Units Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2019-2024)

Table 94. Suzhou Foresight Energy Business Overview

Table 95. Suzhou Foresight Energy Recent Developments

Table 96. Wuhan Himalaya Optoelectronics Technology PEM Fuel Cells Backup Power Units Basic Information

Table 97. Wuhan Himalaya Optoelectronics Technology PEM Fuel Cells Backup Power Units Product Overview

Table 98. Wuhan Himalaya Optoelectronics Technology PEM Fuel Cells Backup Power Units Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2019-2024)

Table 99. Wuhan Himalaya Optoelectronics Technology Business Overview

Table 100. Wuhan Himalaya Optoelectronics Technology Recent Developments

Table 101. Zhejiang Neksonpower PEM Fuel Cells Backup Power Units Basic Information

Table 102. Zhejiang Neksonpower PEM Fuel Cells Backup Power Units Product Overview

Table 103. Zhejiang Neksonpower PEM Fuel Cells Backup Power Units Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2019-2024)

Table 104. Zhejiang Neksonpower Business Overview

Table 105. Zhejiang Neksonpower Recent Developments

Table 106. Global PEM Fuel Cells Backup Power Units Sales Forecast by Region (2025-2030) & (K Units)

Table 107. Global PEM Fuel Cells Backup Power Units Market Size Forecast by Region (2025-2030) & (M USD)

Table 108. North America PEM Fuel Cells Backup Power Units Sales Forecast by Country (2025-2030) & (K Units)

Table 109. North America PEM Fuel Cells Backup Power Units Market Size Forecast by Country (2025-2030) & (M USD)

Table 110. Europe PEM Fuel Cells Backup Power Units Sales Forecast by Country (2025-2030) & (K Units)

Table 111. Europe PEM Fuel Cells Backup Power Units Market Size Forecast by Country (2025-2030) & (M USD)

Table 112. Asia Pacific PEM Fuel Cells Backup Power Units Sales Forecast by Region (2025-2030) & (K Units)

Table 113. Asia Pacific PEM Fuel Cells Backup Power Units Market Size Forecast by Region (2025-2030) & (M USD)

Table 114. South America PEM Fuel Cells Backup Power Units Sales Forecast by Country (2025-2030) & (K Units)

Table 115. South America PEM Fuel Cells Backup Power Units Market Size Forecast by Country (2025-2030) & (M USD)

Table 116. Middle East and Africa PEM Fuel Cells Backup Power Units Consumption Forecast by Country (2025-2030) & (Units)

Table 117. Middle East and Africa PEM Fuel Cells Backup Power Units Market Size Forecast by Country (2025-2030) & (M USD)

Table 118. Global PEM Fuel Cells Backup Power Units Sales Forecast by Type (2025-2030) & (K Units)

Table 119. Global PEM Fuel Cells Backup Power Units Market Size Forecast by Type (2025-2030) & (M USD)

Table 120. Global PEM Fuel Cells Backup Power Units Price Forecast by Type (2025-2030) & (USD/Unit)

Table 121. Global PEM Fuel Cells Backup Power Units Sales (K Units) Forecast by Application (2025-2030)

Table 122. Global PEM Fuel Cells Backup Power Units Market Size Forecast by Application (2025-2030) & (M USD)

## List Of Figures

### LIST OF FIGURES

- Figure 1. Product Picture of PEM Fuel Cells Backup Power Units
- Figure 2. Data Triangulation
- Figure 3. Key Caveats
- Figure 4. Global PEM Fuel Cells Backup Power Units Market Size (M USD), 2019-2030
- Figure 5. Global PEM Fuel Cells Backup Power Units Market Size (M USD) (2019-2030)
- Figure 6. Global PEM Fuel Cells Backup Power Units Sales (K Units) & (2019-2030)
- Figure 7. Evaluation Matrix of Segment Market Development Potential (Type)
- Figure 8. Evaluation Matrix of Segment Market Development Potential (Application)
- Figure 9. Evaluation Matrix of Regional Market Development Potential
- Figure 10. PEM Fuel Cells Backup Power Units Market Size by Country (M USD)
- Figure 11. PEM Fuel Cells Backup Power Units Sales Share by Manufacturers in 2023
- Figure 12. Global PEM Fuel Cells Backup Power Units Revenue Share by Manufacturers in 2023
- Figure 13. PEM Fuel Cells Backup Power Units Market Share by Company Type (Tier 1, Tier 2 and Tier 3): 2023
- Figure 14. Global Market PEM Fuel Cells Backup Power Units Average Price (USD/Unit) of Key Manufacturers in 2023
- Figure 15. The Global 5 and 10 Largest Players: Market Share by PEM Fuel Cells Backup Power Units Revenue in 2023
- Figure 16. Evaluation Matrix of Segment Market Development Potential (Type)
- Figure 17. Global PEM Fuel Cells Backup Power Units Market Share by Type
- Figure 18. Sales Market Share of PEM Fuel Cells Backup Power Units by Type (2019-2024)
- Figure 19. Sales Market Share of PEM Fuel Cells Backup Power Units by Type in 2023
- Figure 20. Market Size Share of PEM Fuel Cells Backup Power Units by Type (2019-2024)
- Figure 21. Market Size Market Share of PEM Fuel Cells Backup Power Units by Type in 2023
- Figure 22. Evaluation Matrix of Segment Market Development Potential (Application)
- Figure 23. Global PEM Fuel Cells Backup Power Units Market Share by Application
- Figure 24. Global PEM Fuel Cells Backup Power Units Sales Market Share by Application (2019-2024)
- Figure 25. Global PEM Fuel Cells Backup Power Units Sales Market Share by Application in 2023

Figure 26. Global PEM Fuel Cells Backup Power Units Market Share by Application (2019-2024)

Figure 27. Global PEM Fuel Cells Backup Power Units Market Share by Application in 2023

Figure 28. Global PEM Fuel Cells Backup Power Units Sales Growth Rate by Application (2019-2024)

Figure 29. Global PEM Fuel Cells Backup Power Units Sales Market Share by Region (2019-2024)

Figure 30. North America PEM Fuel Cells Backup Power Units Sales and Growth Rate (2019-2024) & (K Units)

Figure 31. North America PEM Fuel Cells Backup Power Units Sales Market Share by Country in 2023

Figure 32. U.S. PEM Fuel Cells Backup Power Units Sales and Growth Rate (2019-2024) & (K Units)

Figure 33. Canada PEM Fuel Cells Backup Power Units Sales (K Units) and Growth Rate (2019-2024)

Figure 34. Mexico PEM Fuel Cells Backup Power Units Sales (Units) and Growth Rate (2019-2024)

Figure 35. Europe PEM Fuel Cells Backup Power Units Sales and Growth Rate (2019-2024) & (K Units)

Figure 36. Europe PEM Fuel Cells Backup Power Units Sales Market Share by Country in 2023

Figure 37. Germany PEM Fuel Cells Backup Power Units Sales and Growth Rate (2019-2024) & (K Units)

Figure 38. France PEM Fuel Cells Backup Power Units Sales and Growth Rate (2019-2024) & (K Units)

Figure 39. U.K. PEM Fuel Cells Backup Power Units Sales and Growth Rate (2019-2024) & (K Units)

Figure 40. Italy PEM Fuel Cells Backup Power Units Sales and Growth Rate (2019-2024) & (K Units)

Figure 41. Russia PEM Fuel Cells Backup Power Units Sales and Growth Rate (2019-2024) & (K Units)

Figure 42. Asia Pacific PEM Fuel Cells Backup Power Units Sales and Growth Rate (K Units)

Figure 43. Asia Pacific PEM Fuel Cells Backup Power Units Sales Market Share by Region in 2023

Figure 44. China PEM Fuel Cells Backup Power Units Sales and Growth Rate (2019-2024) & (K Units)

Figure 45. Japan PEM Fuel Cells Backup Power Units Sales and Growth Rate

(2019-2024) & (K Units)

Figure 46. South Korea PEM Fuel Cells Backup Power Units Sales and Growth Rate (2019-2024) & (K Units)

Figure 47. India PEM Fuel Cells Backup Power Units Sales and Growth Rate (2019-2024) & (K Units)

Figure 48. Southeast Asia PEM Fuel Cells Backup Power Units Sales and Growth Rate (2019-2024) & (K Units)

Figure 49. South America PEM Fuel Cells Backup Power Units Sales and Growth Rate (K Units)

Figure 50. South America PEM Fuel Cells Backup Power Units Sales Market Share by Country in 2023

Figure 51. Brazil PEM Fuel Cells Backup Power Units Sales and Growth Rate (2019-2024) & (K Units)

Figure 52. Argentina PEM Fuel Cells Backup Power Units Sales and Growth Rate (2019-2024) & (K Units)

Figure 53. Columbia PEM Fuel Cells Backup Power Units Sales and Growth Rate (2019-2024) & (K Units)

Figure 54. Middle East and Africa PEM Fuel Cells Backup Power Units Sales and Growth Rate (K Units)

Figure 55. Middle East and Africa PEM Fuel Cells Backup Power Units Sales Market Share by Region in 2023

Figure 56. Saudi Arabia PEM Fuel Cells Backup Power Units Sales and Growth Rate (2019-2024) & (K Units)

Figure 57. UAE PEM Fuel Cells Backup Power Units Sales and Growth Rate (2019-2024) & (K Units)

Figure 58. Egypt PEM Fuel Cells Backup Power Units Sales and Growth Rate (2019-2024) & (K Units)

Figure 59. Nigeria PEM Fuel Cells Backup Power Units Sales and Growth Rate (2019-2024) & (K Units)

Figure 60. South Africa PEM Fuel Cells Backup Power Units Sales and Growth Rate (2019-2024) & (K Units)

Figure 61. Global PEM Fuel Cells Backup Power Units Sales Forecast by Volume (2019-2030) & (K Units)

Figure 62. Global PEM Fuel Cells Backup Power Units Market Size Forecast by Value (2019-2030) & (M USD)

Figure 63. Global PEM Fuel Cells Backup Power Units Sales Market Share Forecast by Type (2025-2030)

Figure 64. Global PEM Fuel Cells Backup Power Units Market Share Forecast by Type (2025-2030)

Figure 65. Global PEM Fuel Cells Backup Power Units Sales Forecast by Application (2025-2030)

Figure 66. Global PEM Fuel Cells Backup Power Units Market Share Forecast by Application (2025-2030)

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