

Global PEM Fuel Cells Backup Power Units Market Growth 2023-2029

<https://marketpublishers.com/r/G5351877E388EN.html>

Date: June 2023

Pages: 103

Price: US\$ 3,660.00 (Single User License)

ID: G5351877E388EN

Abstracts

The report requires updating with new data and is sent in 48 hours after order is placed.

The global PEM Fuel Cells Backup Power Units market size is projected to grow from US\$ 100.1 million in 2022 to US\$ 655.7 million in 2029; it is expected to grow at a CAGR of 30.8% from 2023 to 2029.

Hydrogen fuel cell backup power is the modern way to ensure an uninterrupted and decentralized supply of electricity. A stationary fuel cell, commonly referred to as a hydrogen power generator, is used to produce electricity during power outages or other emergency situations. These fuel cell backup power systems are designed to provide a reliable and efficient source of electricity for critical loads, such as hospitals, data centers, and other critical infrastructures.

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.

LPI (LP Information)' newest research report, the "PEM Fuel Cells Backup Power Units Industry Forecast" looks at past sales and reviews total world PEM Fuel Cells Backup Power Units sales in 2022, providing a comprehensive analysis by region and market sector of projected PEM Fuel Cells Backup Power Units sales for 2023 through 2029. With PEM Fuel Cells Backup Power Units sales broken down by region, market sector

and sub-sector, this report provides a detailed analysis in US\$ millions of the world PEM Fuel Cells Backup Power Units industry.

This Insight Report provides a comprehensive analysis of the global PEM Fuel Cells Backup Power Units landscape and highlights key trends related to product segmentation, company formation, revenue, and market share, latest development, and M&A activity. This report also analyzes the strategies of leading global companies with a focus on PEM Fuel Cells Backup Power Units portfolios and capabilities, market entry strategies, market positions, and geographic footprints, to better understand these firms' unique position in an accelerating global PEM Fuel Cells Backup Power Units market.

This Insight Report evaluates the key market trends, drivers, and affecting factors shaping the global outlook for PEM Fuel Cells Backup Power Units and breaks down the forecast by type, by application, geography, and market size to highlight emerging pockets of opportunity. With a transparent methodology based on hundreds of bottom-up qualitative and quantitative market inputs, this study forecast offers a highly nuanced view of the current state and future trajectory in the global PEM Fuel Cells Backup Power Units.

This report presents a comprehensive overview, market shares, and growth opportunities of PEM Fuel Cells Backup Power Units market by product type, application, key manufacturers and key regions and countries.

Market Segmentation:

Segmentation by type

Stationary

Mobile

Segmentation by application

Telecommunication

Data Centers

Hospital

Public Infrastructure

Others

This report also splits the market by region:

Americas

United States

Canada

Mexico

Brazil

APAC

China

Japan

Korea

Southeast Asia

India

Australia

Europe

Germany

France

UK

Italy

Russia

Middle East & Africa

Egypt

South Africa

Israel

Turkey

GCC Countries

The below companies that are profiled have been selected based on inputs gathered from primary experts and analyzing the company's coverage, product portfolio, its market penetration.

Plug Power

Altergy

Ballard Power System

Toshiba ESS

GenCell

Nedstack

ALSTOM Hydrog?ne

Pearl Hydrogen

Sinosynergy

Suzhou Foresight Energy

Wuhan Himalaya Optoelectronics Technology

Zhejiang Neksonpower

Key Questions Addressed in this Report

What is the 10-year outlook for the global PEM Fuel Cells Backup Power Units market?

What factors are driving PEM Fuel Cells Backup Power Units market growth, globally and by region?

Which technologies are poised for the fastest growth by market and region?

How do PEM Fuel Cells Backup Power Units market opportunities vary by end market size?

How does PEM Fuel Cells Backup Power Units break out type, application?

What are the influences of COVID-19 and Russia-Ukraine war?

Contents

1 SCOPE OF THE REPORT

- 1.1 Market Introduction
- 1.2 Years Considered
- 1.3 Research Objectives
- 1.4 Market Research Methodology
- 1.5 Research Process and Data Source
- 1.6 Economic Indicators
- 1.7 Currency Considered
- 1.8 Market Estimation Caveats

2 EXECUTIVE SUMMARY

2.1 World Market Overview

- 2.1.1 Global PEM Fuel Cells Backup Power Units Annual Sales 2018-2029
- 2.1.2 World Current & Future Analysis for PEM Fuel Cells Backup Power Units by Geographic Region, 2018, 2022 & 2029
- 2.1.3 World Current & Future Analysis for PEM Fuel Cells Backup Power Units by Country/Region, 2018, 2022 & 2029
- 2.2 PEM Fuel Cells Backup Power Units Segment by Type
 - 2.2.1 Stationary
 - 2.2.2 Mobile
- 2.3 PEM Fuel Cells Backup Power Units Sales by Type
 - 2.3.1 Global PEM Fuel Cells Backup Power Units Sales Market Share by Type (2018-2023)
 - 2.3.2 Global PEM Fuel Cells Backup Power Units Revenue and Market Share by Type (2018-2023)
 - 2.3.3 Global PEM Fuel Cells Backup Power Units Sale Price by Type (2018-2023)
- 2.4 PEM Fuel Cells Backup Power Units Segment by Application
 - 2.4.1 Telecommunication
 - 2.4.2 Data Centers
 - 2.4.3 Hospital
 - 2.4.4 Public Infrastructure
 - 2.4.5 Others

2.5 PEM Fuel Cells Backup Power Units Sales by Application

- 2.5.1 Global PEM Fuel Cells Backup Power Units Sale Market Share by Application (2018-2023)

2.5.2 Global PEM Fuel Cells Backup Power Units Revenue and Market Share by Application (2018-2023)

2.5.3 Global PEM Fuel Cells Backup Power Units Sale Price by Application (2018-2023)

3 GLOBAL PEM FUEL CELLS BACKUP POWER UNITS BY COMPANY

3.1 Global PEM Fuel Cells Backup Power Units Breakdown Data by Company

3.1.1 Global PEM Fuel Cells Backup Power Units Annual Sales by Company (2018-2023)

3.1.2 Global PEM Fuel Cells Backup Power Units Sales Market Share by Company (2018-2023)

3.2 Global PEM Fuel Cells Backup Power Units Annual Revenue by Company (2018-2023)

3.2.1 Global PEM Fuel Cells Backup Power Units Revenue by Company (2018-2023)

3.2.2 Global PEM Fuel Cells Backup Power Units Revenue Market Share by Company (2018-2023)

3.3 Global PEM Fuel Cells Backup Power Units Sale Price by Company

3.4 Key Manufacturers PEM Fuel Cells Backup Power Units Producing Area Distribution, Sales Area, Product Type

3.4.1 Key Manufacturers PEM Fuel Cells Backup Power Units Product Location Distribution

3.4.2 Players PEM Fuel Cells Backup Power Units Products Offered

3.5 Market Concentration Rate Analysis

3.5.1 Competition Landscape Analysis

3.5.2 Concentration Ratio (CR3, CR5 and CR10) & (2018-2023)

3.6 New Products and Potential Entrants

3.7 Mergers & Acquisitions, Expansion

4 WORLD HISTORIC REVIEW FOR PEM FUEL CELLS BACKUP POWER UNITS BY GEOGRAPHIC REGION

4.1 World Historic PEM Fuel Cells Backup Power Units Market Size by Geographic Region (2018-2023)

4.1.1 Global PEM Fuel Cells Backup Power Units Annual Sales by Geographic Region (2018-2023)

4.1.2 Global PEM Fuel Cells Backup Power Units Annual Revenue by Geographic Region (2018-2023)

4.2 World Historic PEM Fuel Cells Backup Power Units Market Size by Country/Region

(2018-2023)

4.2.1 Global PEM Fuel Cells Backup Power Units Annual Sales by Country/Region

(2018-2023)

4.2.2 Global PEM Fuel Cells Backup Power Units Annual Revenue by Country/Region

(2018-2023)

4.3 Americas PEM Fuel Cells Backup Power Units Sales Growth

4.4 APAC PEM Fuel Cells Backup Power Units Sales Growth

4.5 Europe PEM Fuel Cells Backup Power Units Sales Growth

4.6 Middle East & Africa PEM Fuel Cells Backup Power Units Sales Growth

5 AMERICAS

5.1 Americas PEM Fuel Cells Backup Power Units Sales by Country

5.1.1 Americas PEM Fuel Cells Backup Power Units Sales by Country (2018-2023)

5.1.2 Americas PEM Fuel Cells Backup Power Units Revenue by Country (2018-2023)

5.2 Americas PEM Fuel Cells Backup Power Units Sales by Type

5.3 Americas PEM Fuel Cells Backup Power Units Sales by Application

5.4 United States

5.5 Canada

5.6 Mexico

5.7 Brazil

6 APAC

6.1 APAC PEM Fuel Cells Backup Power Units Sales by Region

6.1.1 APAC PEM Fuel Cells Backup Power Units Sales by Region (2018-2023)

6.1.2 APAC PEM Fuel Cells Backup Power Units Revenue by Region (2018-2023)

6.2 APAC PEM Fuel Cells Backup Power Units Sales by Type

6.3 APAC PEM Fuel Cells Backup Power Units Sales by Application

6.4 China

6.5 Japan

6.6 South Korea

6.7 Southeast Asia

6.8 India

6.9 Australia

6.10 China Taiwan

7 EUROPE

7.1 Europe PEM Fuel Cells Backup Power Units by Country

7.1.1 Europe PEM Fuel Cells Backup Power Units Sales by Country (2018-2023)

7.1.2 Europe PEM Fuel Cells Backup Power Units Revenue by Country (2018-2023)

7.2 Europe PEM Fuel Cells Backup Power Units Sales by Type

7.3 Europe PEM Fuel Cells Backup Power Units Sales by Application

7.4 Germany

7.5 France

7.6 UK

7.7 Italy

7.8 Russia

8 MIDDLE EAST & AFRICA

8.1 Middle East & Africa PEM Fuel Cells Backup Power Units by Country

8.1.1 Middle East & Africa PEM Fuel Cells Backup Power Units Sales by Country (2018-2023)

8.1.2 Middle East & Africa PEM Fuel Cells Backup Power Units Revenue by Country (2018-2023)

8.2 Middle East & Africa PEM Fuel Cells Backup Power Units Sales by Type

8.3 Middle East & Africa PEM Fuel Cells Backup Power Units Sales by Application

8.4 Egypt

8.5 South Africa

8.6 Israel

8.7 Turkey

8.8 GCC Countries

9 MARKET DRIVERS, CHALLENGES AND TRENDS

9.1 Market Drivers & Growth Opportunities

9.2 Market Challenges & Risks

9.3 Industry Trends

10 MANUFACTURING COST STRUCTURE ANALYSIS

10.1 Raw Material and Suppliers

10.2 Manufacturing Cost Structure Analysis of PEM Fuel Cells Backup Power Units

10.3 Manufacturing Process Analysis of PEM Fuel Cells Backup Power Units

10.4 Industry Chain Structure of PEM Fuel Cells Backup Power Units

11 MARKETING, DISTRIBUTORS AND CUSTOMER

11.1 Sales Channel

11.1.1 Direct Channels

11.1.2 Indirect Channels

11.2 PEM Fuel Cells Backup Power Units Distributors

11.3 PEM Fuel Cells Backup Power Units Customer

12 WORLD FORECAST REVIEW FOR PEM FUEL CELLS BACKUP POWER UNITS BY GEOGRAPHIC REGION

12.1 Global PEM Fuel Cells Backup Power Units Market Size Forecast by Region

12.1.1 Global PEM Fuel Cells Backup Power Units Forecast by Region (2024-2029)

12.1.2 Global PEM Fuel Cells Backup Power Units Annual Revenue Forecast by Region (2024-2029)

12.2 Americas Forecast by Country

12.3 APAC Forecast by Region

12.4 Europe Forecast by Country

12.5 Middle East & Africa Forecast by Country

12.6 Global PEM Fuel Cells Backup Power Units Forecast by Type

12.7 Global PEM Fuel Cells Backup Power Units Forecast by Application

13 KEY PLAYERS ANALYSIS

13.1 Plug Power

13.1.1 Plug Power Company Information

13.1.2 Plug Power PEM Fuel Cells Backup Power Units Product Portfolios and Specifications

13.1.3 Plug Power PEM Fuel Cells Backup Power Units Sales, Revenue, Price and Gross Margin (2018-2023)

13.1.4 Plug Power Main Business Overview

13.1.5 Plug Power Latest Developments

13.2 Alteryx

13.2.1 Alteryx Company Information

13.2.2 Alteryx PEM Fuel Cells Backup Power Units Product Portfolios and Specifications

13.2.3 Alteryx PEM Fuel Cells Backup Power Units Sales, Revenue, Price and Gross Margin (2018-2023)

13.2.4 Alteryx Main Business Overview

- 13.2.5 Alteryg Latest Developments
- 13.3 Ballard Power System
 - 13.3.1 Ballard Power System Company Information
 - 13.3.2 Ballard Power System PEM Fuel Cells Backup Power Units Product Portfolios and Specifications
 - 13.3.3 Ballard Power System PEM Fuel Cells Backup Power Units Sales, Revenue, Price and Gross Margin (2018-2023)
 - 13.3.4 Ballard Power System Main Business Overview
 - 13.3.5 Ballard Power System Latest Developments
- 13.4 Toshiba ESS
 - 13.4.1 Toshiba ESS Company Information
 - 13.4.2 Toshiba ESS PEM Fuel Cells Backup Power Units Product Portfolios and Specifications
 - 13.4.3 Toshiba ESS PEM Fuel Cells Backup Power Units Sales, Revenue, Price and Gross Margin (2018-2023)
 - 13.4.4 Toshiba ESS Main Business Overview
 - 13.4.5 Toshiba ESS Latest Developments
- 13.5 GenCell
 - 13.5.1 GenCell Company Information
 - 13.5.2 GenCell PEM Fuel Cells Backup Power Units Product Portfolios and Specifications
 - 13.5.3 GenCell PEM Fuel Cells Backup Power Units Sales, Revenue, Price and Gross Margin (2018-2023)
 - 13.5.4 GenCell Main Business Overview
 - 13.5.5 GenCell Latest Developments
- 13.6 Nedstack
 - 13.6.1 Nedstack Company Information
 - 13.6.2 Nedstack PEM Fuel Cells Backup Power Units Product Portfolios and Specifications
 - 13.6.3 Nedstack PEM Fuel Cells Backup Power Units Sales, Revenue, Price and Gross Margin (2018-2023)
 - 13.6.4 Nedstack Main Business Overview
 - 13.6.5 Nedstack Latest Developments
- 13.7 ALSTOM Hydrog?ne
 - 13.7.1 ALSTOM Hydrog?ne Company Information
 - 13.7.2 ALSTOM Hydrog?ne PEM Fuel Cells Backup Power Units Product Portfolios and Specifications
 - 13.7.3 ALSTOM Hydrog?ne PEM Fuel Cells Backup Power Units Sales, Revenue, Price and Gross Margin (2018-2023)

- 13.7.4 ALSTOM Hydrogene Main Business Overview
- 13.7.5 ALSTOM Hydrogene Latest Developments
- 13.8 Pearl Hydrogen
 - 13.8.1 Pearl Hydrogen Company Information
 - 13.8.2 Pearl Hydrogen PEM Fuel Cells Backup Power Units Product Portfolios and Specifications
 - 13.8.3 Pearl Hydrogen PEM Fuel Cells Backup Power Units Sales, Revenue, Price and Gross Margin (2018-2023)
 - 13.8.4 Pearl Hydrogen Main Business Overview
 - 13.8.5 Pearl Hydrogen Latest Developments
- 13.9 Sinosynergy
 - 13.9.1 Sinosynergy Company Information
 - 13.9.2 Sinosynergy PEM Fuel Cells Backup Power Units Product Portfolios and Specifications
 - 13.9.3 Sinosynergy PEM Fuel Cells Backup Power Units Sales, Revenue, Price and Gross Margin (2018-2023)
 - 13.9.4 Sinosynergy Main Business Overview
 - 13.9.5 Sinosynergy Latest Developments
- 13.10 Suzhou Foresight Energy
 - 13.10.1 Suzhou Foresight Energy Company Information
 - 13.10.2 Suzhou Foresight Energy PEM Fuel Cells Backup Power Units Product Portfolios and Specifications
 - 13.10.3 Suzhou Foresight Energy PEM Fuel Cells Backup Power Units Sales, Revenue, Price and Gross Margin (2018-2023)
 - 13.10.4 Suzhou Foresight Energy Main Business Overview
 - 13.10.5 Suzhou Foresight Energy Latest Developments
- 13.11 Wuhan Himalaya Optoelectronics Technology
 - 13.11.1 Wuhan Himalaya Optoelectronics Technology Company Information
 - 13.11.2 Wuhan Himalaya Optoelectronics Technology PEM Fuel Cells Backup Power Units Product Portfolios and Specifications
 - 13.11.3 Wuhan Himalaya Optoelectronics Technology PEM Fuel Cells Backup Power Units Sales, Revenue, Price and Gross Margin (2018-2023)
 - 13.11.4 Wuhan Himalaya Optoelectronics Technology Main Business Overview
 - 13.11.5 Wuhan Himalaya Optoelectronics Technology Latest Developments
- 13.12 Zhejiang Neksonpower
 - 13.12.1 Zhejiang Neksonpower Company Information
 - 13.12.2 Zhejiang Neksonpower PEM Fuel Cells Backup Power Units Product Portfolios and Specifications
 - 13.12.3 Zhejiang Neksonpower PEM Fuel Cells Backup Power Units Sales, Revenue,

Price and Gross Margin (2018-2023)

13.12.4 Zhejiang Neksonpower Main Business Overview

13.12.5 Zhejiang Neksonpower Latest Developments

14 RESEARCH FINDINGS AND CONCLUSION

List Of Tables

LIST OF TABLES

Table 1. PEM Fuel Cells Backup Power Units Annual Sales CAGR by Geographic Region (2018, 2022 & 2029) & (\$ millions)

Table 2. PEM Fuel Cells Backup Power Units Annual Sales CAGR by Country/Region (2018, 2022 & 2029) & (\$ millions)

Table 3. Major Players of Stationary

Table 4. Major Players of Mobile

Table 5. Global PEM Fuel Cells Backup Power Units Sales by Type (2018-2023) & (K Units)

Table 6. Global PEM Fuel Cells Backup Power Units Sales Market Share by Type (2018-2023)

Table 7. Global PEM Fuel Cells Backup Power Units Revenue by Type (2018-2023) & (\$ million)

Table 8. Global PEM Fuel Cells Backup Power Units Revenue Market Share by Type (2018-2023)

Table 9. Global PEM Fuel Cells Backup Power Units Sale Price by Type (2018-2023) & (US\$/Unit)

Table 10. Global PEM Fuel Cells Backup Power Units Sales by Application (2018-2023) & (K Units)

Table 11. Global PEM Fuel Cells Backup Power Units Sales Market Share by Application (2018-2023)

Table 12. Global PEM Fuel Cells Backup Power Units Revenue by Application (2018-2023)

Table 13. Global PEM Fuel Cells Backup Power Units Revenue Market Share by Application (2018-2023)

Table 14. Global PEM Fuel Cells Backup Power Units Sale Price by Application (2018-2023) & (US\$/Unit)

Table 15. Global PEM Fuel Cells Backup Power Units Sales by Company (2018-2023) & (K Units)

Table 16. Global PEM Fuel Cells Backup Power Units Sales Market Share by Company (2018-2023)

Table 17. Global PEM Fuel Cells Backup Power Units Revenue by Company (2018-2023) (\$ Millions)

Table 18. Global PEM Fuel Cells Backup Power Units Revenue Market Share by Company (2018-2023)

Table 19. Global PEM Fuel Cells Backup Power Units Sale Price by Company

(2018-2023) & (US\$/Unit)

Table 20. Key Manufacturers PEM Fuel Cells Backup Power Units Producing Area Distribution and Sales Area

Table 21. Players PEM Fuel Cells Backup Power Units Products Offered

Table 22. PEM Fuel Cells Backup Power Units Concentration Ratio (CR3, CR5 and CR10) & (2018-2023)

Table 23. New Products and Potential Entrants

Table 24. Mergers & Acquisitions, Expansion

Table 25. Global PEM Fuel Cells Backup Power Units Sales by Geographic Region (2018-2023) & (K Units)

Table 26. Global PEM Fuel Cells Backup Power Units Sales Market Share Geographic Region (2018-2023)

Table 27. Global PEM Fuel Cells Backup Power Units Revenue by Geographic Region (2018-2023) & (\$ millions)

Table 28. Global PEM Fuel Cells Backup Power Units Revenue Market Share by Geographic Region (2018-2023)

Table 29. Global PEM Fuel Cells Backup Power Units Sales by Country/Region (2018-2023) & (K Units)

Table 30. Global PEM Fuel Cells Backup Power Units Sales Market Share by Country/Region (2018-2023)

Table 31. Global PEM Fuel Cells Backup Power Units Revenue by Country/Region (2018-2023) & (\$ millions)

Table 32. Global PEM Fuel Cells Backup Power Units Revenue Market Share by Country/Region (2018-2023)

Table 33. Americas PEM Fuel Cells Backup Power Units Sales by Country (2018-2023) & (K Units)

Table 34. Americas PEM Fuel Cells Backup Power Units Sales Market Share by Country (2018-2023)

Table 35. Americas PEM Fuel Cells Backup Power Units Revenue by Country (2018-2023) & (\$ Millions)

Table 36. Americas PEM Fuel Cells Backup Power Units Revenue Market Share by Country (2018-2023)

Table 37. Americas PEM Fuel Cells Backup Power Units Sales by Type (2018-2023) & (K Units)

Table 38. Americas PEM Fuel Cells Backup Power Units Sales by Application (2018-2023) & (K Units)

Table 39. APAC PEM Fuel Cells Backup Power Units Sales by Region (2018-2023) & (K Units)

Table 40. APAC PEM Fuel Cells Backup Power Units Sales Market Share by Region

(2018-2023)

Table 41. APAC PEM Fuel Cells Backup Power Units Revenue by Region (2018-2023) & (\$ Millions)

Table 42. APAC PEM Fuel Cells Backup Power Units Revenue Market Share by Region (2018-2023)

Table 43. APAC PEM Fuel Cells Backup Power Units Sales by Type (2018-2023) & (K Units)

Table 44. APAC PEM Fuel Cells Backup Power Units Sales by Application (2018-2023) & (K Units)

Table 45. Europe PEM Fuel Cells Backup Power Units Sales by Country (2018-2023) & (K Units)

Table 46. Europe PEM Fuel Cells Backup Power Units Sales Market Share by Country (2018-2023)

Table 47. Europe PEM Fuel Cells Backup Power Units Revenue by Country (2018-2023) & (\$ Millions)

Table 48. Europe PEM Fuel Cells Backup Power Units Revenue Market Share by Country (2018-2023)

Table 49. Europe PEM Fuel Cells Backup Power Units Sales by Type (2018-2023) & (K Units)

Table 50. Europe PEM Fuel Cells Backup Power Units Sales by Application (2018-2023) & (K Units)

Table 51. Middle East & Africa PEM Fuel Cells Backup Power Units Sales by Country (2018-2023) & (K Units)

Table 52. Middle East & Africa PEM Fuel Cells Backup Power Units Sales Market Share by Country (2018-2023)

Table 53. Middle East & Africa PEM Fuel Cells Backup Power Units Revenue by Country (2018-2023) & (\$ Millions)

Table 54. Middle East & Africa PEM Fuel Cells Backup Power Units Revenue Market Share by Country (2018-2023)

Table 55. Middle East & Africa PEM Fuel Cells Backup Power Units Sales by Type (2018-2023) & (K Units)

Table 56. Middle East & Africa PEM Fuel Cells Backup Power Units Sales by Application (2018-2023) & (K Units)

Table 57. Key Market Drivers & Growth Opportunities of PEM Fuel Cells Backup Power Units

Table 58. Key Market Challenges & Risks of PEM Fuel Cells Backup Power Units

Table 59. Key Industry Trends of PEM Fuel Cells Backup Power Units

Table 60. PEM Fuel Cells Backup Power Units Raw Material

Table 61. Key Suppliers of Raw Materials

Table 62. PEM Fuel Cells Backup Power Units Distributors List

Table 63. PEM Fuel Cells Backup Power Units Customer List

Table 64. Global PEM Fuel Cells Backup Power Units Sales Forecast by Region (2024-2029) & (K Units)

Table 65. Global PEM Fuel Cells Backup Power Units Revenue Forecast by Region (2024-2029) & (\$ millions)

Table 66. Americas PEM Fuel Cells Backup Power Units Sales Forecast by Country (2024-2029) & (K Units)

Table 67. Americas PEM Fuel Cells Backup Power Units Revenue Forecast by Country (2024-2029) & (\$ millions)

Table 68. APAC PEM Fuel Cells Backup Power Units Sales Forecast by Region (2024-2029) & (K Units)

Table 69. APAC PEM Fuel Cells Backup Power Units Revenue Forecast by Region (2024-2029) & (\$ millions)

Table 70. Europe PEM Fuel Cells Backup Power Units Sales Forecast by Country (2024-2029) & (K Units)

Table 71. Europe PEM Fuel Cells Backup Power Units Revenue Forecast by Country (2024-2029) & (\$ millions)

Table 72. Middle East & Africa PEM Fuel Cells Backup Power Units Sales Forecast by Country (2024-2029) & (K Units)

Table 73. Middle East & Africa PEM Fuel Cells Backup Power Units Revenue Forecast by Country (2024-2029) & (\$ millions)

Table 74. Global PEM Fuel Cells Backup Power Units Sales Forecast by Type (2024-2029) & (K Units)

Table 75. Global PEM Fuel Cells Backup Power Units Revenue Forecast by Type (2024-2029) & (\$ Millions)

Table 76. Global PEM Fuel Cells Backup Power Units Sales Forecast by Application (2024-2029) & (K Units)

Table 77. Global PEM Fuel Cells Backup Power Units Revenue Forecast by Application (2024-2029) & (\$ Millions)

Table 78. Plug Power Basic Information, PEM Fuel Cells Backup Power Units Manufacturing Base, Sales Area and Its Competitors

Table 79. Plug Power PEM Fuel Cells Backup Power Units Product Portfolios and Specifications

Table 80. Plug Power PEM Fuel Cells Backup Power Units Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2018-2023)

Table 81. Plug Power Main Business

Table 82. Plug Power Latest Developments

Table 83. Alteryx Basic Information, PEM Fuel Cells Backup Power Units Manufacturing

Base, Sales Area and Its Competitors

Table 84. Alteryg PEM Fuel Cells Backup Power Units Product Portfolios and Specifications

Table 85. Alteryg PEM Fuel Cells Backup Power Units Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2018-2023)

Table 86. Alteryg Main Business

Table 87. Alteryg Latest Developments

Table 88. Ballard Power System Basic Information, PEM Fuel Cells Backup Power Units Manufacturing Base, Sales Area and Its Competitors

Table 89. Ballard Power System PEM Fuel Cells Backup Power Units Product Portfolios and Specifications

Table 90. Ballard Power System PEM Fuel Cells Backup Power Units Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2018-2023)

Table 91. Ballard Power System Main Business

Table 92. Ballard Power System Latest Developments

Table 93. Toshiba ESS Basic Information, PEM Fuel Cells Backup Power Units Manufacturing Base, Sales Area and Its Competitors

Table 94. Toshiba ESS PEM Fuel Cells Backup Power Units Product Portfolios and Specifications

Table 95. Toshiba ESS PEM Fuel Cells Backup Power Units Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2018-2023)

Table 96. Toshiba ESS Main Business

Table 97. Toshiba ESS Latest Developments

Table 98. GenCell Basic Information, PEM Fuel Cells Backup Power Units Manufacturing Base, Sales Area and Its Competitors

Table 99. GenCell PEM Fuel Cells Backup Power Units Product Portfolios and Specifications

Table 100. GenCell PEM Fuel Cells Backup Power Units Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2018-2023)

Table 101. GenCell Main Business

Table 102. GenCell Latest Developments

Table 103. Nedstack Basic Information, PEM Fuel Cells Backup Power Units Manufacturing Base, Sales Area and Its Competitors

Table 104. Nedstack PEM Fuel Cells Backup Power Units Product Portfolios and Specifications

Table 105. Nedstack PEM Fuel Cells Backup Power Units Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2018-2023)

Table 106. Nedstack Main Business

Table 107. Nedstack Latest Developments

Table 108. ALSTOM Hydrog?ne Basic Information, PEM Fuel Cells Backup Power Units Manufacturing Base, Sales Area and Its Competitors

Table 109. ALSTOM Hydrog?ne PEM Fuel Cells Backup Power Units Product Portfolios and Specifications

Table 110. ALSTOM Hydrog?ne PEM Fuel Cells Backup Power Units Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2018-2023)

Table 111. ALSTOM Hydrog?ne Main Business

Table 112. ALSTOM Hydrog?ne Latest Developments

Table 113. Pearl Hydrogen Basic Information, PEM Fuel Cells Backup Power Units Manufacturing Base, Sales Area and Its Competitors

Table 114. Pearl Hydrogen PEM Fuel Cells Backup Power Units Product Portfolios and Specifications

Table 115. Pearl Hydrogen PEM Fuel Cells Backup Power Units Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2018-2023)

Table 116. Pearl Hydrogen Main Business

Table 117. Pearl Hydrogen Latest Developments

Table 118. Sinosynergy Basic Information, PEM Fuel Cells Backup Power Units Manufacturing Base, Sales Area and Its Competitors

Table 119. Sinosynergy PEM Fuel Cells Backup Power Units Product Portfolios and Specifications

Table 120. Sinosynergy PEM Fuel Cells Backup Power Units Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2018-2023)

Table 121. Sinosynergy Main Business

Table 122. Sinosynergy Latest Developments

Table 123. Suzhou Foresight Energy Basic Information, PEM Fuel Cells Backup Power Units Manufacturing Base, Sales Area and Its Competitors

Table 124. Suzhou Foresight Energy PEM Fuel Cells Backup Power Units Product Portfolios and Specifications

Table 125. Suzhou Foresight Energy PEM Fuel Cells Backup Power Units Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2018-2023)

Table 126. Suzhou Foresight Energy Main Business

Table 127. Suzhou Foresight Energy Latest Developments

Table 128. Wuhan Himalaya Optoelectronics Technology Basic Information, PEM Fuel Cells Backup Power Units Manufacturing Base, Sales Area and Its Competitors

Table 129. Wuhan Himalaya Optoelectronics Technology PEM Fuel Cells Backup Power Units Product Portfolios and Specifications

Table 130. Wuhan Himalaya Optoelectronics Technology PEM Fuel Cells Backup Power Units Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2018-2023)

Table 131. Wuhan Himalaya Optoelectronics Technology Main Business

Table 132. Wuhan Himalaya Optoelectronics Technology Latest Developments

Table 133. Zhejiang Neksonpower Basic Information, PEM Fuel Cells Backup Power Units Manufacturing Base, Sales Area and Its Competitors

Table 134. Zhejiang Neksonpower PEM Fuel Cells Backup Power Units Product Portfolios and Specifications

Table 135. Zhejiang Neksonpower PEM Fuel Cells Backup Power Units Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2018-2023)

Table 136. Zhejiang Neksonpower Main Business

Table 137. Zhejiang Neksonpower Latest Developments

List Of Figures

LIST OF FIGURES

- Figure 1. Picture of PEM Fuel Cells Backup Power Units
- Figure 2. PEM Fuel Cells Backup Power Units Report Years Considered
- Figure 3. Research Objectives
- Figure 4. Research Methodology
- Figure 5. Research Process and Data Source
- Figure 6. Global PEM Fuel Cells Backup Power Units Sales Growth Rate 2018-2029 (K Units)
- Figure 7. Global PEM Fuel Cells Backup Power Units Revenue Growth Rate 2018-2029 (\$ Millions)
- Figure 8. PEM Fuel Cells Backup Power Units Sales by Region (2018, 2022 & 2029) & (\$ Millions)
- Figure 9. Product Picture of Stationary
- Figure 10. Product Picture of Mobile
- Figure 11. Global PEM Fuel Cells Backup Power Units Sales Market Share by Type in 2022
- Figure 12. Global PEM Fuel Cells Backup Power Units Revenue Market Share by Type (2018-2023)
- Figure 13. PEM Fuel Cells Backup Power Units Consumed in Telecommunication
- Figure 14. Global PEM Fuel Cells Backup Power Units Market: Telecommunication (2018-2023) & (K Units)
- Figure 15. PEM Fuel Cells Backup Power Units Consumed in Data Centers
- Figure 16. Global PEM Fuel Cells Backup Power Units Market: Data Centers (2018-2023) & (K Units)
- Figure 17. PEM Fuel Cells Backup Power Units Consumed in Hospital
- Figure 18. Global PEM Fuel Cells Backup Power Units Market: Hospital (2018-2023) & (K Units)
- Figure 19. PEM Fuel Cells Backup Power Units Consumed in Public Infrastructure
- Figure 20. Global PEM Fuel Cells Backup Power Units Market: Public Infrastructure (2018-2023) & (K Units)
- Figure 21. PEM Fuel Cells Backup Power Units Consumed in Others
- Figure 22. Global PEM Fuel Cells Backup Power Units Market: Others (2018-2023) & (K Units)
- Figure 23. Global PEM Fuel Cells Backup Power Units Sales Market Share by Application (2022)
- Figure 24. Global PEM Fuel Cells Backup Power Units Revenue Market Share by

Application in 2022

Figure 25. PEM Fuel Cells Backup Power Units Sales Market by Company in 2022 (K Units)

Figure 26. Global PEM Fuel Cells Backup Power Units Sales Market Share by Company in 2022

Figure 27. PEM Fuel Cells Backup Power Units Revenue Market by Company in 2022 (\$ Million)

Figure 28. Global PEM Fuel Cells Backup Power Units Revenue Market Share by Company in 2022

Figure 29. Global PEM Fuel Cells Backup Power Units Sales Market Share by Geographic Region (2018-2023)

Figure 30. Global PEM Fuel Cells Backup Power Units Revenue Market Share by Geographic Region in 2022

Figure 31. Americas PEM Fuel Cells Backup Power Units Sales 2018-2023 (K Units)

Figure 32. Americas PEM Fuel Cells Backup Power Units Revenue 2018-2023 (\$ Millions)

Figure 33. APAC PEM Fuel Cells Backup Power Units Sales 2018-2023 (K Units)

Figure 34. APAC PEM Fuel Cells Backup Power Units Revenue 2018-2023 (\$ Millions)

Figure 35. Europe PEM Fuel Cells Backup Power Units Sales 2018-2023 (K Units)

Figure 36. Europe PEM Fuel Cells Backup Power Units Revenue 2018-2023 (\$ Millions)

Figure 37. Middle East & Africa PEM Fuel Cells Backup Power Units Sales 2018-2023 (K Units)

Figure 38. Middle East & Africa PEM Fuel Cells Backup Power Units Revenue 2018-2023 (\$ Millions)

Figure 39. Americas PEM Fuel Cells Backup Power Units Sales Market Share by Country in 2022

Figure 40. Americas PEM Fuel Cells Backup Power Units Revenue Market Share by Country in 2022

Figure 41. Americas PEM Fuel Cells Backup Power Units Sales Market Share by Type (2018-2023)

Figure 42. Americas PEM Fuel Cells Backup Power Units Sales Market Share by Application (2018-2023)

Figure 43. United States PEM Fuel Cells Backup Power Units Revenue Growth 2018-2023 (\$ Millions)

Figure 44. Canada PEM Fuel Cells Backup Power Units Revenue Growth 2018-2023 (\$ Millions)

Figure 45. Mexico PEM Fuel Cells Backup Power Units Revenue Growth 2018-2023 (\$ Millions)

Figure 46. Brazil PEM Fuel Cells Backup Power Units Revenue Growth 2018-2023 (\$

Millions)

Figure 47. APAC PEM Fuel Cells Backup Power Units Sales Market Share by Region in 2022

Figure 48. APAC PEM Fuel Cells Backup Power Units Revenue Market Share by Regions in 2022

Figure 49. APAC PEM Fuel Cells Backup Power Units Sales Market Share by Type (2018-2023)

Figure 50. APAC PEM Fuel Cells Backup Power Units Sales Market Share by Application (2018-2023)

Figure 51. China PEM Fuel Cells Backup Power Units Revenue Growth 2018-2023 (\$ Millions)

Figure 52. Japan PEM Fuel Cells Backup Power Units Revenue Growth 2018-2023 (\$ Millions)

Figure 53. South Korea PEM Fuel Cells Backup Power Units Revenue Growth 2018-2023 (\$ Millions)

Figure 54. Southeast Asia PEM Fuel Cells Backup Power Units Revenue Growth 2018-2023 (\$ Millions)

Figure 55. India PEM Fuel Cells Backup Power Units Revenue Growth 2018-2023 (\$ Millions)

Figure 56. Australia PEM Fuel Cells Backup Power Units Revenue Growth 2018-2023 (\$ Millions)

Figure 57. China Taiwan PEM Fuel Cells Backup Power Units Revenue Growth 2018-2023 (\$ Millions)

Figure 58. Europe PEM Fuel Cells Backup Power Units Sales Market Share by Country in 2022

Figure 59. Europe PEM Fuel Cells Backup Power Units Revenue Market Share by Country in 2022

Figure 60. Europe PEM Fuel Cells Backup Power Units Sales Market Share by Type (2018-2023)

Figure 61. Europe PEM Fuel Cells Backup Power Units Sales Market Share by Application (2018-2023)

Figure 62. Germany PEM Fuel Cells Backup Power Units Revenue Growth 2018-2023 (\$ Millions)

Figure 63. France PEM Fuel Cells Backup Power Units Revenue Growth 2018-2023 (\$ Millions)

Figure 64. UK PEM Fuel Cells Backup Power Units Revenue Growth 2018-2023 (\$ Millions)

Figure 65. Italy PEM Fuel Cells Backup Power Units Revenue Growth 2018-2023 (\$ Millions)

Figure 66. Russia PEM Fuel Cells Backup Power Units Revenue Growth 2018-2023 (\$ Millions)

Figure 67. Middle East & Africa PEM Fuel Cells Backup Power Units Sales Market Share by Country in 2022

Figure 68. Middle East & Africa PEM Fuel Cells Backup Power Units Revenue Market Share by Country in 2022

Figure 69. Middle East & Africa PEM Fuel Cells Backup Power Units Sales Market Share by Type (2018-2023)

Figure 70. Middle East & Africa PEM Fuel Cells Backup Power Units Sales Market Share by Application (2018-2023)

Figure 71. Egypt PEM Fuel Cells Backup Power Units Revenue Growth 2018-2023 (\$ Millions)

Figure 72. South Africa PEM Fuel Cells Backup Power Units Revenue Growth 2018-2023 (\$ Millions)

Figure 73. Israel PEM Fuel Cells Backup Power Units Revenue Growth 2018-2023 (\$ Millions)

Figure 74. Turkey PEM Fuel Cells Backup Power Units Revenue Growth 2018-2023 (\$ Millions)

Figure 75. GCC Country PEM Fuel Cells Backup Power Units Revenue Growth 2018-2023 (\$ Millions)

Figure 76. Manufacturing Cost Structure Analysis of PEM Fuel Cells Backup Power Units in 2022

Figure 77. Manufacturing Process Analysis of PEM Fuel Cells Backup Power Units

Figure 78. Industry Chain Structure of PEM Fuel Cells Backup Power Units

Figure 79. Channels of Distribution

Figure 80. Global PEM Fuel Cells Backup Power Units Sales Market Forecast by Region (2024-2029)

Figure 81. Global PEM Fuel Cells Backup Power Units Revenue Market Share Forecast by Region (2024-2029)

Figure 82. Global PEM Fuel Cells Backup Power Units Sales Market Share Forecast by Type (2024-2029)

Figure 83. Global PEM Fuel Cells Backup Power Units Revenue Market Share Forecast by Type (2024-2029)

Figure 84. Global PEM Fuel Cells Backup Power Units Sales Market Share Forecast by Application (2024-2029)

Figure 85. Global PEM Fuel Cells Backup Power Units Revenue Market Share Forecast by Application (2024-2029)

I would like to order

Product name: Global PEM Fuel Cells Backup Power Units Market Growth 2023-2029

Product link: <https://marketpublishers.com/r/G5351877E388EN.html>

Price: US\$ 3,660.00 (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/G5351877E388EN.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