

Global Alkaline Electrolyte Fuel Cell Market Growth 2023-2029

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Abstracts

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According to our (LP Info Research) latest study, the global Alkaline Electrolyte Fuel Cell market size was valued at US\$ 4108.7 million in 2022. With growing demand in downstream market and recovery from influence of COVID-19 and the Russia-Ukraine War, the Alkaline Electrolyte Fuel Cell is forecast to a readjusted size of US\$ 21860 million by 2029 with a CAGR of 27.0% during review period.

The research report highlights the growth potential of the global Alkaline Electrolyte Fuel Cell market. With recovery from influence of COVID-19 and the Russia-Ukraine War, Alkaline Electrolyte Fuel Cell are expected to show stable growth in the future market. However, product differentiation, reducing costs, and supply chain optimization remain crucial for the widespread adoption of Alkaline Electrolyte Fuel Cell. Market players need to invest in research and development, forge strategic partnerships, and align their offerings with evolving consumer preferences to capitalize on the immense opportunities presented by the Alkaline Electrolyte Fuel Cell market.

Alkaline electrolyte fuel cells refer to fuel cells that mostly use potassium hydroxide or sodium hydroxide as electrolyte.

Under the background of 'carbon neutrality' and 'carbon peaking', with the policy support of various countries and the development of the fuel cell industry, the shipments of the global fuel cell industry continue to increase. According to data, since 2012, global fuel cell shipments have been on the rise, and will reach about 90,000 units in 2022. North America is one of the major markets for alkaline batteries, followed by Southeast Asia. The demand for global energy shortage, environmental protection and sustainable

development continues to increase, and fuel cells are booming because of their superior advantages.

At present, clean power stations and portable power sources are about to enter the commercialization stage, and fuel cell-powered vehicles have entered the initial development stage (such as Mercedes-Benz and Toyota). Therefore, the popularization of fuel cells will accelerate and the market size will continue to expand. Alkaline electrolyte fuel cells have high capacity, long shelf life, and leakage resistance, and are suitable for heavy-duty and routine applications, such as aerospace, remote controls, electronic toys, etc. Alkaline batteries do not contain mercury and harmful chemicals, are environmentally friendly, can be safely disposed of, and have a long replacement cycle, which will further drive the market growth.

Key Features:

The report on Alkaline Electrolyte Fuel Cell market reflects various aspects and provide valuable insights into the industry.

Market Size and Growth: The research report provide an overview of the current size and growth of the Alkaline Electrolyte Fuel Cell market. It may include historical data, market segmentation by Type (e.g., Cycle, Fixed), and regional breakdowns.

Market Drivers and Challenges: The report can identify and analyse the factors driving the growth of the Alkaline Electrolyte Fuel Cell market, such as government regulations, environmental concerns, technological advancements, and changing consumer preferences. It can also highlight the challenges faced by the industry, including infrastructure limitations, range anxiety, and high upfront costs.

Competitive Landscape: The research report provides analysis of the competitive landscape within the Alkaline Electrolyte Fuel Cell market. It includes profiles of key players, their market share, strategies, and product offerings. The report can also highlight emerging players and their potential impact on the market.

Technological Developments: The research report can delve into the latest technological developments in the Alkaline Electrolyte Fuel Cell industry. This include advancements in Alkaline Electrolyte Fuel Cell technology, Alkaline Electrolyte Fuel Cell new entrants, Alkaline Electrolyte Fuel Cell new investment, and other innovations that are shaping the future of Alkaline Electrolyte Fuel Cell.

Downstream Procumbent Preference: The report can shed light on customer procumbent behaviour and adoption trends in the Alkaline Electrolyte Fuel Cell market. It includes factors influencing customer ' purchasing decisions, preferences for Alkaline Electrolyte Fuel Cell product.

Government Policies and Incentives: The research report analyse the impact of government policies and incentives on the Alkaline Electrolyte Fuel Cell market. This may include an assessment of regulatory frameworks, subsidies, tax incentives, and other measures aimed at promoting Alkaline Electrolyte Fuel Cell market. The report also evaluates the effectiveness of these policies in driving market growth.

Environmental Impact and Sustainability: The research report assess the environmental impact and sustainability aspects of the Alkaline Electrolyte Fuel Cell market.

Market Forecasts and Future Outlook: Based on the analysis conducted, the research report provide market forecasts and outlook for the Alkaline Electrolyte Fuel Cell industry. This includes projections of market size, growth rates, regional trends, and predictions on technological advancements and policy developments.

Recommendations and Opportunities: The report conclude with recommendations for industry stakeholders, policymakers, and investors. It highlights potential opportunities for market players to capitalize on emerging trends, overcome challenges, and contribute to the growth and development of the Alkaline Electrolyte Fuel Cell market.

Market Segmentation:

Alkaline Electrolyte Fuel Cell market is split by Type and by Application. For the period 2018-2029, the growth among segments provides accurate calculations and forecasts for consumption value by Type, and by Application in terms of volume and value.

Segmentation by type

Cycle

Fixed

Soluble

Segmentation by application

Space Vehicle

Military Equipment Power Supply

Automotive Power Supply

Civil Power Generation Device

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.

AFC Energy

Ballard Power Systems

SFC Energy AG

Nedstack

Hydrogenics

Doosan

UTC Power

Ballard

Jiangsu Horizon New Energy Technologies Co., Ltd.

Key Questions Addressed in this Report

What is the 10-year outlook for the global Alkaline Electrolyte Fuel Cell market?

What factors are driving Alkaline Electrolyte Fuel Cell market growth, globally and by region?

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

How do Alkaline Electrolyte Fuel Cell market opportunities vary by end market size?

How does Alkaline Electrolyte Fuel Cell 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 Alkaline Electrolyte Fuel Cell Annual Sales 2018-2029
- 2.1.2 World Current & Future Analysis for Alkaline Electrolyte Fuel Cell by Geographic Region, 2018, 2022 & 2029
- 2.1.3 World Current & Future Analysis for Alkaline Electrolyte Fuel Cell by Country/Region, 2018, 2022 & 2029

2.2 Alkaline Electrolyte Fuel Cell Segment by Type

- 2.2.1 Cycle
- 2.2.2 Fixed
- 2.2.3 Soluble

2.3 Alkaline Electrolyte Fuel Cell Sales by Type

- 2.3.1 Global Alkaline Electrolyte Fuel Cell Sales Market Share by Type (2018-2023)
- 2.3.2 Global Alkaline Electrolyte Fuel Cell Revenue and Market Share by Type (2018-2023)
- 2.3.3 Global Alkaline Electrolyte Fuel Cell Sale Price by Type (2018-2023)

2.4 Alkaline Electrolyte Fuel Cell Segment by Application

- 2.4.1 Space Vehicle
- 2.4.2 Military Equipment Power Supply
- 2.4.3 Automotive Power Supply
- 2.4.4 Civil Power Generation Device
- 2.4.5 Others

2.5 Alkaline Electrolyte Fuel Cell Sales by Application

- 2.5.1 Global Alkaline Electrolyte Fuel Cell Sale Market Share by Application (2018-2023)

2.5.2 Global Alkaline Electrolyte Fuel Cell Revenue and Market Share by Application (2018-2023)

2.5.3 Global Alkaline Electrolyte Fuel Cell Sale Price by Application (2018-2023)

3 GLOBAL ALKALINE ELECTROLYTE FUEL CELL BY COMPANY

3.1 Global Alkaline Electrolyte Fuel Cell Breakdown Data by Company

3.1.1 Global Alkaline Electrolyte Fuel Cell Annual Sales by Company (2018-2023)

3.1.2 Global Alkaline Electrolyte Fuel Cell Sales Market Share by Company (2018-2023)

3.2 Global Alkaline Electrolyte Fuel Cell Annual Revenue by Company (2018-2023)

3.2.1 Global Alkaline Electrolyte Fuel Cell Revenue by Company (2018-2023)

3.2.2 Global Alkaline Electrolyte Fuel Cell Revenue Market Share by Company (2018-2023)

3.3 Global Alkaline Electrolyte Fuel Cell Sale Price by Company

3.4 Key Manufacturers Alkaline Electrolyte Fuel Cell Producing Area Distribution, Sales Area, Product Type

3.4.1 Key Manufacturers Alkaline Electrolyte Fuel Cell Product Location Distribution

3.4.2 Players Alkaline Electrolyte Fuel Cell 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 ALKALINE ELECTROLYTE FUEL CELL BY GEOGRAPHIC REGION

4.1 World Historic Alkaline Electrolyte Fuel Cell Market Size by Geographic Region (2018-2023)

4.1.1 Global Alkaline Electrolyte Fuel Cell Annual Sales by Geographic Region (2018-2023)

4.1.2 Global Alkaline Electrolyte Fuel Cell Annual Revenue by Geographic Region (2018-2023)

4.2 World Historic Alkaline Electrolyte Fuel Cell Market Size by Country/Region (2018-2023)

4.2.1 Global Alkaline Electrolyte Fuel Cell Annual Sales by Country/Region (2018-2023)

4.2.2 Global Alkaline Electrolyte Fuel Cell Annual Revenue by Country/Region

(2018-2023)

4.3 Americas Alkaline Electrolyte Fuel Cell Sales Growth

4.4 APAC Alkaline Electrolyte Fuel Cell Sales Growth

4.5 Europe Alkaline Electrolyte Fuel Cell Sales Growth

4.6 Middle East & Africa Alkaline Electrolyte Fuel Cell Sales Growth

5 AMERICAS

5.1 Americas Alkaline Electrolyte Fuel Cell Sales by Country

5.1.1 Americas Alkaline Electrolyte Fuel Cell Sales by Country (2018-2023)

5.1.2 Americas Alkaline Electrolyte Fuel Cell Revenue by Country (2018-2023)

5.2 Americas Alkaline Electrolyte Fuel Cell Sales by Type

5.3 Americas Alkaline Electrolyte Fuel Cell Sales by Application

5.4 United States

5.5 Canada

5.6 Mexico

5.7 Brazil

6 APAC

6.1 APAC Alkaline Electrolyte Fuel Cell Sales by Region

6.1.1 APAC Alkaline Electrolyte Fuel Cell Sales by Region (2018-2023)

6.1.2 APAC Alkaline Electrolyte Fuel Cell Revenue by Region (2018-2023)

6.2 APAC Alkaline Electrolyte Fuel Cell Sales by Type

6.3 APAC Alkaline Electrolyte Fuel Cell 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 Alkaline Electrolyte Fuel Cell by Country

7.1.1 Europe Alkaline Electrolyte Fuel Cell Sales by Country (2018-2023)

7.1.2 Europe Alkaline Electrolyte Fuel Cell Revenue by Country (2018-2023)

7.2 Europe Alkaline Electrolyte Fuel Cell Sales by Type

7.3 Europe Alkaline Electrolyte Fuel Cell 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 Alkaline Electrolyte Fuel Cell by Country

8.1.1 Middle East & Africa Alkaline Electrolyte Fuel Cell Sales by Country (2018-2023)

8.1.2 Middle East & Africa Alkaline Electrolyte Fuel Cell Revenue by Country (2018-2023)

8.2 Middle East & Africa Alkaline Electrolyte Fuel Cell Sales by Type

8.3 Middle East & Africa Alkaline Electrolyte Fuel Cell 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 Alkaline Electrolyte Fuel Cell

10.3 Manufacturing Process Analysis of Alkaline Electrolyte Fuel Cell

10.4 Industry Chain Structure of Alkaline Electrolyte Fuel Cell

11 MARKETING, DISTRIBUTORS AND CUSTOMER

11.1 Sales Channel

11.1.1 Direct Channels

11.1.2 Indirect Channels

11.2 Alkaline Electrolyte Fuel Cell Distributors

11.3 Alkaline Electrolyte Fuel Cell Customer

12 WORLD FORECAST REVIEW FOR ALKALINE ELECTROLYTE FUEL CELL BY GEOGRAPHIC REGION

12.1 Global Alkaline Electrolyte Fuel Cell Market Size Forecast by Region

12.1.1 Global Alkaline Electrolyte Fuel Cell Forecast by Region (2024-2029)

12.1.2 Global Alkaline Electrolyte Fuel Cell 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 Alkaline Electrolyte Fuel Cell Forecast by Type

12.7 Global Alkaline Electrolyte Fuel Cell Forecast by Application

13 KEY PLAYERS ANALYSIS

13.1 AFC Energy

13.1.1 AFC Energy Company Information

13.1.2 AFC Energy Alkaline Electrolyte Fuel Cell Product Portfolios and Specifications

13.1.3 AFC Energy Alkaline Electrolyte Fuel Cell Sales, Revenue, Price and Gross Margin (2018-2023)

13.1.4 AFC Energy Main Business Overview

13.1.5 AFC Energy Latest Developments

13.2 Ballard Power Systems

13.2.1 Ballard Power Systems Company Information

13.2.2 Ballard Power Systems Alkaline Electrolyte Fuel Cell Product Portfolios and Specifications

13.2.3 Ballard Power Systems Alkaline Electrolyte Fuel Cell Sales, Revenue, Price and Gross Margin (2018-2023)

13.2.4 Ballard Power Systems Main Business Overview

13.2.5 Ballard Power Systems Latest Developments

13.3 SFC Energy AG

13.3.1 SFC Energy AG Company Information

13.3.2 SFC Energy AG Alkaline Electrolyte Fuel Cell Product Portfolios and Specifications

13.3.3 SFC Energy AG Alkaline Electrolyte Fuel Cell Sales, Revenue, Price and Gross

Margin (2018-2023)

13.3.4 SFC Energy AG Main Business Overview

13.3.5 SFC Energy AG Latest Developments

13.4 Nedstack

13.4.1 Nedstack Company Information

13.4.2 Nedstack Alkaline Electrolyte Fuel Cell Product Portfolios and Specifications

13.4.3 Nedstack Alkaline Electrolyte Fuel Cell Sales, Revenue, Price and Gross

Margin (2018-2023)

13.4.4 Nedstack Main Business Overview

13.4.5 Nedstack Latest Developments

13.5 Hydrogenics

13.5.1 Hydrogenics Company Information

13.5.2 Hydrogenics Alkaline Electrolyte Fuel Cell Product Portfolios and Specifications

13.5.3 Hydrogenics Alkaline Electrolyte Fuel Cell Sales, Revenue, Price and Gross

Margin (2018-2023)

13.5.4 Hydrogenics Main Business Overview

13.5.5 Hydrogenics Latest Developments

13.6 Doosan

13.6.1 Doosan Company Information

13.6.2 Doosan Alkaline Electrolyte Fuel Cell Product Portfolios and Specifications

13.6.3 Doosan Alkaline Electrolyte Fuel Cell Sales, Revenue, Price and Gross Margin

(2018-2023)

13.6.4 Doosan Main Business Overview

13.6.5 Doosan Latest Developments

13.7 UTC Power

13.7.1 UTC Power Company Information

13.7.2 UTC Power Alkaline Electrolyte Fuel Cell Product Portfolios and Specifications

13.7.3 UTC Power Alkaline Electrolyte Fuel Cell Sales, Revenue, Price and Gross

Margin (2018-2023)

13.7.4 UTC Power Main Business Overview

13.7.5 UTC Power Latest Developments

13.8 Ballard

13.8.1 Ballard Company Information

13.8.2 Ballard Alkaline Electrolyte Fuel Cell Product Portfolios and Specifications

13.8.3 Ballard Alkaline Electrolyte Fuel Cell Sales, Revenue, Price and Gross Margin

(2018-2023)

13.8.4 Ballard Main Business Overview

13.8.5 Ballard Latest Developments

13.9 Jiangsu Horizon New Energy Technologies Co., Ltd.

- 13.9.1 Jiangsu Horizon New Energy Technologies Co., Ltd. Company Information
- 13.9.2 Jiangsu Horizon New Energy Technologies Co., Ltd. Alkaline Electrolyte Fuel Cell Product Portfolios and Specifications
- 13.9.3 Jiangsu Horizon New Energy Technologies Co., Ltd. Alkaline Electrolyte Fuel Cell Sales, Revenue, Price and Gross Margin (2018-2023)
- 13.9.4 Jiangsu Horizon New Energy Technologies Co., Ltd. Main Business Overview
- 13.9.5 Jiangsu Horizon New Energy Technologies Co., Ltd. Latest Developments

14 RESEARCH FINDINGS AND CONCLUSION

List Of Tables

LIST OF TABLES

- Table 1. Alkaline Electrolyte Fuel Cell Annual Sales CAGR by Geographic Region (2018, 2022 & 2029) & (\$ millions)
- Table 2. Alkaline Electrolyte Fuel Cell Annual Sales CAGR by Country/Region (2018, 2022 & 2029) & (\$ millions)
- Table 3. Major Players of Cycle
- Table 4. Major Players of Fixed
- Table 5. Major Players of Soluble
- Table 6. Global Alkaline Electrolyte Fuel Cell Sales by Type (2018-2023) & (K Units)
- Table 7. Global Alkaline Electrolyte Fuel Cell Sales Market Share by Type (2018-2023)
- Table 8. Global Alkaline Electrolyte Fuel Cell Revenue by Type (2018-2023) & (\$ million)
- Table 9. Global Alkaline Electrolyte Fuel Cell Revenue Market Share by Type (2018-2023)
- Table 10. Global Alkaline Electrolyte Fuel Cell Sale Price by Type (2018-2023) & (US\$/Unit)
- Table 11. Global Alkaline Electrolyte Fuel Cell Sales by Application (2018-2023) & (K Units)
- Table 12. Global Alkaline Electrolyte Fuel Cell Sales Market Share by Application (2018-2023)
- Table 13. Global Alkaline Electrolyte Fuel Cell Revenue by Application (2018-2023)
- Table 14. Global Alkaline Electrolyte Fuel Cell Revenue Market Share by Application (2018-2023)
- Table 15. Global Alkaline Electrolyte Fuel Cell Sale Price by Application (2018-2023) & (US\$/Unit)
- Table 16. Global Alkaline Electrolyte Fuel Cell Sales by Company (2018-2023) & (K Units)
- Table 17. Global Alkaline Electrolyte Fuel Cell Sales Market Share by Company (2018-2023)
- Table 18. Global Alkaline Electrolyte Fuel Cell Revenue by Company (2018-2023) (\$ Millions)
- Table 19. Global Alkaline Electrolyte Fuel Cell Revenue Market Share by Company (2018-2023)
- Table 20. Global Alkaline Electrolyte Fuel Cell Sale Price by Company (2018-2023) & (US\$/Unit)
- Table 21. Key Manufacturers Alkaline Electrolyte Fuel Cell Producing Area Distribution

and Sales Area

Table 22. Players Alkaline Electrolyte Fuel Cell Products Offered

Table 23. Alkaline Electrolyte Fuel Cell Concentration Ratio (CR3, CR5 and CR10) & (2018-2023)

Table 24. New Products and Potential Entrants

Table 25. Mergers & Acquisitions, Expansion

Table 26. Global Alkaline Electrolyte Fuel Cell Sales by Geographic Region (2018-2023) & (K Units)

Table 27. Global Alkaline Electrolyte Fuel Cell Sales Market Share Geographic Region (2018-2023)

Table 28. Global Alkaline Electrolyte Fuel Cell Revenue by Geographic Region (2018-2023) & (\$ millions)

Table 29. Global Alkaline Electrolyte Fuel Cell Revenue Market Share by Geographic Region (2018-2023)

Table 30. Global Alkaline Electrolyte Fuel Cell Sales by Country/Region (2018-2023) & (K Units)

Table 31. Global Alkaline Electrolyte Fuel Cell Sales Market Share by Country/Region (2018-2023)

Table 32. Global Alkaline Electrolyte Fuel Cell Revenue by Country/Region (2018-2023) & (\$ millions)

Table 33. Global Alkaline Electrolyte Fuel Cell Revenue Market Share by Country/Region (2018-2023)

Table 34. Americas Alkaline Electrolyte Fuel Cell Sales by Country (2018-2023) & (K Units)

Table 35. Americas Alkaline Electrolyte Fuel Cell Sales Market Share by Country (2018-2023)

Table 36. Americas Alkaline Electrolyte Fuel Cell Revenue by Country (2018-2023) & (\$ Millions)

Table 37. Americas Alkaline Electrolyte Fuel Cell Revenue Market Share by Country (2018-2023)

Table 38. Americas Alkaline Electrolyte Fuel Cell Sales by Type (2018-2023) & (K Units)

Table 39. Americas Alkaline Electrolyte Fuel Cell Sales by Application (2018-2023) & (K Units)

Table 40. APAC Alkaline Electrolyte Fuel Cell Sales by Region (2018-2023) & (K Units)

Table 41. APAC Alkaline Electrolyte Fuel Cell Sales Market Share by Region (2018-2023)

Table 42. APAC Alkaline Electrolyte Fuel Cell Revenue by Region (2018-2023) & (\$ Millions)

Table 43. APAC Alkaline Electrolyte Fuel Cell Revenue Market Share by Region (2018-2023)

Table 44. APAC Alkaline Electrolyte Fuel Cell Sales by Type (2018-2023) & (K Units)

Table 45. APAC Alkaline Electrolyte Fuel Cell Sales by Application (2018-2023) & (K Units)

Table 46. Europe Alkaline Electrolyte Fuel Cell Sales by Country (2018-2023) & (K Units)

Table 47. Europe Alkaline Electrolyte Fuel Cell Sales Market Share by Country (2018-2023)

Table 48. Europe Alkaline Electrolyte Fuel Cell Revenue by Country (2018-2023) & (\$ Millions)

Table 49. Europe Alkaline Electrolyte Fuel Cell Revenue Market Share by Country (2018-2023)

Table 50. Europe Alkaline Electrolyte Fuel Cell Sales by Type (2018-2023) & (K Units)

Table 51. Europe Alkaline Electrolyte Fuel Cell Sales by Application (2018-2023) & (K Units)

Table 52. Middle East & Africa Alkaline Electrolyte Fuel Cell Sales by Country (2018-2023) & (K Units)

Table 53. Middle East & Africa Alkaline Electrolyte Fuel Cell Sales Market Share by Country (2018-2023)

Table 54. Middle East & Africa Alkaline Electrolyte Fuel Cell Revenue by Country (2018-2023) & (\$ Millions)

Table 55. Middle East & Africa Alkaline Electrolyte Fuel Cell Revenue Market Share by Country (2018-2023)

Table 56. Middle East & Africa Alkaline Electrolyte Fuel Cell Sales by Type (2018-2023) & (K Units)

Table 57. Middle East & Africa Alkaline Electrolyte Fuel Cell Sales by Application (2018-2023) & (K Units)

Table 58. Key Market Drivers & Growth Opportunities of Alkaline Electrolyte Fuel Cell

Table 59. Key Market Challenges & Risks of Alkaline Electrolyte Fuel Cell

Table 60. Key Industry Trends of Alkaline Electrolyte Fuel Cell

Table 61. Alkaline Electrolyte Fuel Cell Raw Material

Table 62. Key Suppliers of Raw Materials

Table 63. Alkaline Electrolyte Fuel Cell Distributors List

Table 64. Alkaline Electrolyte Fuel Cell Customer List

Table 65. Global Alkaline Electrolyte Fuel Cell Sales Forecast by Region (2024-2029) & (K Units)

Table 66. Global Alkaline Electrolyte Fuel Cell Revenue Forecast by Region (2024-2029) & (\$ millions)

- Table 67. Americas Alkaline Electrolyte Fuel Cell Sales Forecast by Country (2024-2029) & (K Units)
- Table 68. Americas Alkaline Electrolyte Fuel Cell Revenue Forecast by Country (2024-2029) & (\$ millions)
- Table 69. APAC Alkaline Electrolyte Fuel Cell Sales Forecast by Region (2024-2029) & (K Units)
- Table 70. APAC Alkaline Electrolyte Fuel Cell Revenue Forecast by Region (2024-2029) & (\$ millions)
- Table 71. Europe Alkaline Electrolyte Fuel Cell Sales Forecast by Country (2024-2029) & (K Units)
- Table 72. Europe Alkaline Electrolyte Fuel Cell Revenue Forecast by Country (2024-2029) & (\$ millions)
- Table 73. Middle East & Africa Alkaline Electrolyte Fuel Cell Sales Forecast by Country (2024-2029) & (K Units)
- Table 74. Middle East & Africa Alkaline Electrolyte Fuel Cell Revenue Forecast by Country (2024-2029) & (\$ millions)
- Table 75. Global Alkaline Electrolyte Fuel Cell Sales Forecast by Type (2024-2029) & (K Units)
- Table 76. Global Alkaline Electrolyte Fuel Cell Revenue Forecast by Type (2024-2029) & (\$ Millions)
- Table 77. Global Alkaline Electrolyte Fuel Cell Sales Forecast by Application (2024-2029) & (K Units)
- Table 78. Global Alkaline Electrolyte Fuel Cell Revenue Forecast by Application (2024-2029) & (\$ Millions)
- Table 79. AFC Energy Basic Information, Alkaline Electrolyte Fuel Cell Manufacturing Base, Sales Area and Its Competitors
- Table 80. AFC Energy Alkaline Electrolyte Fuel Cell Product Portfolios and Specifications
- Table 81. AFC Energy Alkaline Electrolyte Fuel Cell Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2018-2023)
- Table 82. AFC Energy Main Business
- Table 83. AFC Energy Latest Developments
- Table 84. Ballard Power Systems Basic Information, Alkaline Electrolyte Fuel Cell Manufacturing Base, Sales Area and Its Competitors
- Table 85. Ballard Power Systems Alkaline Electrolyte Fuel Cell Product Portfolios and Specifications
- Table 86. Ballard Power Systems Alkaline Electrolyte Fuel Cell Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2018-2023)
- Table 87. Ballard Power Systems Main Business

- Table 88. Ballard Power Systems Latest Developments
- Table 89. SFC Energy AG Basic Information, Alkaline Electrolyte Fuel Cell Manufacturing Base, Sales Area and Its Competitors
- Table 90. SFC Energy AG Alkaline Electrolyte Fuel Cell Product Portfolios and Specifications
- Table 91. SFC Energy AG Alkaline Electrolyte Fuel Cell Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2018-2023)
- Table 92. SFC Energy AG Main Business
- Table 93. SFC Energy AG Latest Developments
- Table 94. Nedstack Basic Information, Alkaline Electrolyte Fuel Cell Manufacturing Base, Sales Area and Its Competitors
- Table 95. Nedstack Alkaline Electrolyte Fuel Cell Product Portfolios and Specifications
- Table 96. Nedstack Alkaline Electrolyte Fuel Cell Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2018-2023)
- Table 97. Nedstack Main Business
- Table 98. Nedstack Latest Developments
- Table 99. Hydrogenics Basic Information, Alkaline Electrolyte Fuel Cell Manufacturing Base, Sales Area and Its Competitors
- Table 100. Hydrogenics Alkaline Electrolyte Fuel Cell Product Portfolios and Specifications
- Table 101. Hydrogenics Alkaline Electrolyte Fuel Cell Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2018-2023)
- Table 102. Hydrogenics Main Business
- Table 103. Hydrogenics Latest Developments
- Table 104. Doosan Basic Information, Alkaline Electrolyte Fuel Cell Manufacturing Base, Sales Area and Its Competitors
- Table 105. Doosan Alkaline Electrolyte Fuel Cell Product Portfolios and Specifications
- Table 106. Doosan Alkaline Electrolyte Fuel Cell Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2018-2023)
- Table 107. Doosan Main Business
- Table 108. Doosan Latest Developments
- Table 109. UTC Power Basic Information, Alkaline Electrolyte Fuel Cell Manufacturing Base, Sales Area and Its Competitors
- Table 110. UTC Power Alkaline Electrolyte Fuel Cell Product Portfolios and Specifications
- Table 111. UTC Power Alkaline Electrolyte Fuel Cell Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2018-2023)
- Table 112. UTC Power Main Business
- Table 113. UTC Power Latest Developments

Table 114. Ballard Basic Information, Alkaline Electrolyte Fuel Cell Manufacturing Base, Sales Area and Its Competitors

Table 115. Ballard Alkaline Electrolyte Fuel Cell Product Portfolios and Specifications

Table 116. Ballard Alkaline Electrolyte Fuel Cell Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2018-2023)

Table 117. Ballard Main Business

Table 118. Ballard Latest Developments

Table 119. Jiangsu Horizon New Energy Technologies Co., Ltd. Basic Information, Alkaline Electrolyte Fuel Cell Manufacturing Base, Sales Area and Its Competitors

Table 120. Jiangsu Horizon New Energy Technologies Co., Ltd. Alkaline Electrolyte Fuel Cell Product Portfolios and Specifications

Table 121. Jiangsu Horizon New Energy Technologies Co., Ltd. Alkaline Electrolyte Fuel Cell Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2018-2023)

Table 122. Jiangsu Horizon New Energy Technologies Co., Ltd. Main Business

Table 123. Jiangsu Horizon New Energy Technologies Co., Ltd. Latest Developments

List Of Figures

LIST OF FIGURES

- Figure 1. Picture of Alkaline Electrolyte Fuel Cell
- Figure 2. Alkaline Electrolyte Fuel Cell Report Years Considered
- Figure 3. Research Objectives
- Figure 4. Research Methodology
- Figure 5. Research Process and Data Source
- Figure 6. Global Alkaline Electrolyte Fuel Cell Sales Growth Rate 2018-2029 (K Units)
- Figure 7. Global Alkaline Electrolyte Fuel Cell Revenue Growth Rate 2018-2029 (\$ Millions)
- Figure 8. Alkaline Electrolyte Fuel Cell Sales by Region (2018, 2022 & 2029) & (\$ Millions)
- Figure 9. Product Picture of Cycle
- Figure 10. Product Picture of Fixed
- Figure 11. Product Picture of Soluble
- Figure 12. Global Alkaline Electrolyte Fuel Cell Sales Market Share by Type in 2022
- Figure 13. Global Alkaline Electrolyte Fuel Cell Revenue Market Share by Type (2018-2023)
- Figure 14. Alkaline Electrolyte Fuel Cell Consumed in Space Vehicle
- Figure 15. Global Alkaline Electrolyte Fuel Cell Market: Space Vehicle (2018-2023) & (K Units)
- Figure 16. Alkaline Electrolyte Fuel Cell Consumed in Military Equipment Power Supply
- Figure 17. Global Alkaline Electrolyte Fuel Cell Market: Military Equipment Power Supply (2018-2023) & (K Units)
- Figure 18. Alkaline Electrolyte Fuel Cell Consumed in Automotive Power Supply
- Figure 19. Global Alkaline Electrolyte Fuel Cell Market: Automotive Power Supply (2018-2023) & (K Units)
- Figure 20. Alkaline Electrolyte Fuel Cell Consumed in Civil Power Generation Device
- Figure 21. Global Alkaline Electrolyte Fuel Cell Market: Civil Power Generation Device (2018-2023) & (K Units)
- Figure 22. Alkaline Electrolyte Fuel Cell Consumed in Others
- Figure 23. Global Alkaline Electrolyte Fuel Cell Market: Others (2018-2023) & (K Units)
- Figure 24. Global Alkaline Electrolyte Fuel Cell Sales Market Share by Application (2022)
- Figure 25. Global Alkaline Electrolyte Fuel Cell Revenue Market Share by Application in 2022
- Figure 26. Alkaline Electrolyte Fuel Cell Sales Market by Company in 2022 (K Units)

Figure 27. Global Alkaline Electrolyte Fuel Cell Sales Market Share by Company in 2022

Figure 28. Alkaline Electrolyte Fuel Cell Revenue Market by Company in 2022 (\$ Million)

Figure 29. Global Alkaline Electrolyte Fuel Cell Revenue Market Share by Company in 2022

Figure 30. Global Alkaline Electrolyte Fuel Cell Sales Market Share by Geographic Region (2018-2023)

Figure 31. Global Alkaline Electrolyte Fuel Cell Revenue Market Share by Geographic Region in 2022

Figure 32. Americas Alkaline Electrolyte Fuel Cell Sales 2018-2023 (K Units)

Figure 33. Americas Alkaline Electrolyte Fuel Cell Revenue 2018-2023 (\$ Millions)

Figure 34. APAC Alkaline Electrolyte Fuel Cell Sales 2018-2023 (K Units)

Figure 35. APAC Alkaline Electrolyte Fuel Cell Revenue 2018-2023 (\$ Millions)

Figure 36. Europe Alkaline Electrolyte Fuel Cell Sales 2018-2023 (K Units)

Figure 37. Europe Alkaline Electrolyte Fuel Cell Revenue 2018-2023 (\$ Millions)

Figure 38. Middle East & Africa Alkaline Electrolyte Fuel Cell Sales 2018-2023 (K Units)

Figure 39. Middle East & Africa Alkaline Electrolyte Fuel Cell Revenue 2018-2023 (\$ Millions)

Figure 40. Americas Alkaline Electrolyte Fuel Cell Sales Market Share by Country in 2022

Figure 41. Americas Alkaline Electrolyte Fuel Cell Revenue Market Share by Country in 2022

Figure 42. Americas Alkaline Electrolyte Fuel Cell Sales Market Share by Type (2018-2023)

Figure 43. Americas Alkaline Electrolyte Fuel Cell Sales Market Share by Application (2018-2023)

Figure 44. United States Alkaline Electrolyte Fuel Cell Revenue Growth 2018-2023 (\$ Millions)

Figure 45. Canada Alkaline Electrolyte Fuel Cell Revenue Growth 2018-2023 (\$ Millions)

Figure 46. Mexico Alkaline Electrolyte Fuel Cell Revenue Growth 2018-2023 (\$ Millions)

Figure 47. Brazil Alkaline Electrolyte Fuel Cell Revenue Growth 2018-2023 (\$ Millions)

Figure 48. APAC Alkaline Electrolyte Fuel Cell Sales Market Share by Region in 2022

Figure 49. APAC Alkaline Electrolyte Fuel Cell Revenue Market Share by Regions in 2022

Figure 50. APAC Alkaline Electrolyte Fuel Cell Sales Market Share by Type (2018-2023)

Figure 51. APAC Alkaline Electrolyte Fuel Cell Sales Market Share by Application

(2018-2023)

Figure 52. China Alkaline Electrolyte Fuel Cell Revenue Growth 2018-2023 (\$ Millions)

Figure 53. Japan Alkaline Electrolyte Fuel Cell Revenue Growth 2018-2023 (\$ Millions)

Figure 54. South Korea Alkaline Electrolyte Fuel Cell Revenue Growth 2018-2023 (\$ Millions)

Figure 55. Southeast Asia Alkaline Electrolyte Fuel Cell Revenue Growth 2018-2023 (\$ Millions)

Figure 56. India Alkaline Electrolyte Fuel Cell Revenue Growth 2018-2023 (\$ Millions)

Figure 57. Australia Alkaline Electrolyte Fuel Cell Revenue Growth 2018-2023 (\$ Millions)

Figure 58. China Taiwan Alkaline Electrolyte Fuel Cell Revenue Growth 2018-2023 (\$ Millions)

Figure 59. Europe Alkaline Electrolyte Fuel Cell Sales Market Share by Country in 2022

Figure 60. Europe Alkaline Electrolyte Fuel Cell Revenue Market Share by Country in 2022

Figure 61. Europe Alkaline Electrolyte Fuel Cell Sales Market Share by Type (2018-2023)

Figure 62. Europe Alkaline Electrolyte Fuel Cell Sales Market Share by Application (2018-2023)

Figure 63. Germany Alkaline Electrolyte Fuel Cell Revenue Growth 2018-2023 (\$ Millions)

Figure 64. France Alkaline Electrolyte Fuel Cell Revenue Growth 2018-2023 (\$ Millions)

Figure 65. UK Alkaline Electrolyte Fuel Cell Revenue Growth 2018-2023 (\$ Millions)

Figure 66. Italy Alkaline Electrolyte Fuel Cell Revenue Growth 2018-2023 (\$ Millions)

Figure 67. Russia Alkaline Electrolyte Fuel Cell Revenue Growth 2018-2023 (\$ Millions)

Figure 68. Middle East & Africa Alkaline Electrolyte Fuel Cell Sales Market Share by Country in 2022

Figure 69. Middle East & Africa Alkaline Electrolyte Fuel Cell Revenue Market Share by Country in 2022

Figure 70. Middle East & Africa Alkaline Electrolyte Fuel Cell Sales Market Share by Type (2018-2023)

Figure 71. Middle East & Africa Alkaline Electrolyte Fuel Cell Sales Market Share by Application (2018-2023)

Figure 72. Egypt Alkaline Electrolyte Fuel Cell Revenue Growth 2018-2023 (\$ Millions)

Figure 73. South Africa Alkaline Electrolyte Fuel Cell Revenue Growth 2018-2023 (\$ Millions)

Figure 74. Israel Alkaline Electrolyte Fuel Cell Revenue Growth 2018-2023 (\$ Millions)

Figure 75. Turkey Alkaline Electrolyte Fuel Cell Revenue Growth 2018-2023 (\$ Millions)

Figure 76. GCC Country Alkaline Electrolyte Fuel Cell Revenue Growth 2018-2023 (\$

Millions)

Figure 77. Manufacturing Cost Structure Analysis of Alkaline Electrolyte Fuel Cell in 2022

Figure 78. Manufacturing Process Analysis of Alkaline Electrolyte Fuel Cell

Figure 79. Industry Chain Structure of Alkaline Electrolyte Fuel Cell

Figure 80. Channels of Distribution

Figure 81. Global Alkaline Electrolyte Fuel Cell Sales Market Forecast by Region (2024-2029)

Figure 82. Global Alkaline Electrolyte Fuel Cell Revenue Market Share Forecast by Region (2024-2029)

Figure 83. Global Alkaline Electrolyte Fuel Cell Sales Market Share Forecast by Type (2024-2029)

Figure 84. Global Alkaline Electrolyte Fuel Cell Revenue Market Share Forecast by Type (2024-2029)

Figure 85. Global Alkaline Electrolyte Fuel Cell Sales Market Share Forecast by Application (2024-2029)

Figure 86. Global Alkaline Electrolyte Fuel Cell Revenue Market Share Forecast by Application (2024-2029)

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