

# Global PEM Water Electrolyzers Market Growth 2024-2030

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## Abstracts

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According to our LPI (LP Information) latest study, the global PEM Water Electrolyzers market size was valued at US\$ 163.2 million in 2023. With growing demand in downstream market, the PEM Water Electrolyzers is forecast to a readjusted size of US\$ 2358 million by 2030 with a CAGR of 46.5% during review period.

The research report highlights the growth potential of the global PEM Water Electrolyzers market. PEM Water Electrolyzers 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 PEM Water Electrolyzers. 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 PEM Water Electrolyzers market.

PEM Water Electrolyzers is the electrolysis of water in a cell equipped with a solid polymer electrolyte (SPE) that is responsible for the conduction of protons, separation of product gases, and electrical insulation of the electrodes. The PEM electrolyzer was introduced to overcome the issues of partial load, low current density, and low pressure operation currently plaguing the alkaline electrolyzer. The top five market core manufacturers of PEM water electrolyzers are Proton On-Site, Cummins, Siemens, Toshiba, and Shandong Saikesaisi Hydrogen Energy, accounting for 68% of the market share. Large and medium-sized PEM water electrolyzers occupy the first and second segments of the market, accounting for 40.66%, 36, and 7% respectively.

Key Features:

The report on PEM Water Electrolyzers 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 PEM Water Electrolyzers market. It may include historical data, market segmentation by Type (e.g., Small Scale Typ, Middle Scale Type), and regional breakdowns.

**Market Drivers and Challenges:** The report can identify and analyse the factors driving the growth of the PEM Water Electrolyzers 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 PEM Water Electrolyzers 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 PEM Water Electrolyzers industry. This include advancements in PEM Water Electrolyzers technology, PEM Water Electrolyzers new entrants, PEM Water Electrolyzers new investment, and other innovations that are shaping the future of PEM Water Electrolyzers.

**Downstream Procumbent Preference:** The report can shed light on customer procumbent behaviour and adoption trends in the PEM Water Electrolyzers market. It includes factors influencing customer ' purchasing decisions, preferences for PEM Water Electrolyzers product.

**Government Policies and Incentives:** The research report analyse the impact of government policies and incentives on the PEM Water Electrolyzers market. This may include an assessment of regulatory frameworks, subsidies, tax incentives, and other measures aimed at promoting PEM Water Electrolyzers 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 PEM Water Electrolyzers market.

**Market Forecasts and Future Outlook:** Based on the analysis conducted, the research report provide market forecasts and outlook for the PEM Water Electrolyzers 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 PEM Water Electrolyzers market.

**Market Segmentation:**

PEM Water Electrolyzers market is split by Type and by Application. For the period 2019-2030, 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**

Small Scale Typ

Middle Scale Type

Large Scale Type

**Segmentation by application**

Hydrogen Refueling Station

Laboratory

Petrochemical Industry

Electronics and Semiconductor

Power to Gas

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.

Proton On-Site

Cummins

Siemens

Toshiba

Kobelco Eco-Solutions

Elogen

Shandong Saksay Hydrogen Energy

ITM Power

Elchemtech

718th Research Institute of CSIC

H2B2

## Key Questions Addressed in this Report

What is the 10-year outlook for the global PEM Water Electrolyzers market?

What factors are driving PEM Water Electrolyzers market growth, globally and by region?

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

How do PEM Water Electrolyzers market opportunities vary by end market size?

How does PEM Water Electrolyzers break out type, application?

## 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 Water Electrolyzers Annual Sales 2019-2030
  - 2.1.2 World Current & Future Analysis for PEM Water Electrolyzers by Geographic Region, 2019, 2023 & 2030
  - 2.1.3 World Current & Future Analysis for PEM Water Electrolyzers by Country/Region, 2019, 2023 & 2030
- 2.2 PEM Water Electrolyzers Segment by Type
  - 2.2.1 Small Scale Typ
  - 2.2.2 Middle Scale Type
  - 2.2.3 Large Scale Type
- 2.3 PEM Water Electrolyzers Sales by Type
  - 2.3.1 Global PEM Water Electrolyzers Sales Market Share by Type (2019-2024)
  - 2.3.2 Global PEM Water Electrolyzers Revenue and Market Share by Type (2019-2024)
  - 2.3.3 Global PEM Water Electrolyzers Sale Price by Type (2019-2024)
- 2.4 PEM Water Electrolyzers Segment by Application
  - 2.4.1 Hydrogen Refueling Station
  - 2.4.2 Laboratory
  - 2.4.3 Petrochemical Industry
  - 2.4.4 Electronics and Semiconductor
  - 2.4.5 Power to Gas
- 2.5 PEM Water Electrolyzers Sales by Application
  - 2.5.1 Global PEM Water Electrolyzers Sale Market Share by Application (2019-2024)
  - 2.5.2 Global PEM Water Electrolyzers Revenue and Market Share by Application

(2019-2024)

2.5.3 Global PEM Water Electrolyzers Sale Price by Application (2019-2024)

### **3 GLOBAL PEM WATER ELECTROLYZERS BY COMPANY**

3.1 Global PEM Water Electrolyzers Breakdown Data by Company

3.1.1 Global PEM Water Electrolyzers Annual Sales by Company (2019-2024)

3.1.2 Global PEM Water Electrolyzers Sales Market Share by Company (2019-2024)

3.2 Global PEM Water Electrolyzers Annual Revenue by Company (2019-2024)

3.2.1 Global PEM Water Electrolyzers Revenue by Company (2019-2024)

3.2.2 Global PEM Water Electrolyzers Revenue Market Share by Company  
(2019-2024)

3.3 Global PEM Water Electrolyzers Sale Price by Company

3.4 Key Manufacturers PEM Water Electrolyzers Producing Area Distribution, Sales Area, Product Type

3.4.1 Key Manufacturers PEM Water Electrolyzers Product Location Distribution

3.4.2 Players PEM Water Electrolyzers Products Offered

3.5 Market Concentration Rate Analysis

3.5.1 Competition Landscape Analysis

3.5.2 Concentration Ratio (CR3, CR5 and CR10) & (2019-2024)

3.6 New Products and Potential Entrants

3.7 Mergers & Acquisitions, Expansion

### **4 WORLD HISTORIC REVIEW FOR PEM WATER ELECTROLYZERS BY GEOGRAPHIC REGION**

4.1 World Historic PEM Water Electrolyzers Market Size by Geographic Region  
(2019-2024)

4.1.1 Global PEM Water Electrolyzers Annual Sales by Geographic Region  
(2019-2024)

4.1.2 Global PEM Water Electrolyzers Annual Revenue by Geographic Region  
(2019-2024)

4.2 World Historic PEM Water Electrolyzers Market Size by Country/Region  
(2019-2024)

4.2.1 Global PEM Water Electrolyzers Annual Sales by Country/Region (2019-2024)

4.2.2 Global PEM Water Electrolyzers Annual Revenue by Country/Region  
(2019-2024)

4.3 Americas PEM Water Electrolyzers Sales Growth

4.4 APAC PEM Water Electrolyzers Sales Growth



4.5 Europe PEM Water Electrolyzers Sales Growth

4.6 Middle East & Africa PEM Water Electrolyzers Sales Growth

## **5 AMERICAS**

5.1 Americas PEM Water Electrolyzers Sales by Country

5.1.1 Americas PEM Water Electrolyzers Sales by Country (2019-2024)

5.1.2 Americas PEM Water Electrolyzers Revenue by Country (2019-2024)

5.2 Americas PEM Water Electrolyzers Sales by Type

5.3 Americas PEM Water Electrolyzers Sales by Application

5.4 United States

5.5 Canada

5.6 Mexico

5.7 Brazil

## **6 APAC**

6.1 APAC PEM Water Electrolyzers Sales by Region

6.1.1 APAC PEM Water Electrolyzers Sales by Region (2019-2024)

6.1.2 APAC PEM Water Electrolyzers Revenue by Region (2019-2024)

6.2 APAC PEM Water Electrolyzers Sales by Type

6.3 APAC PEM Water Electrolyzers 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 Water Electrolyzers by Country

7.1.1 Europe PEM Water Electrolyzers Sales by Country (2019-2024)

7.1.2 Europe PEM Water Electrolyzers Revenue by Country (2019-2024)

7.2 Europe PEM Water Electrolyzers Sales by Type

7.3 Europe PEM Water Electrolyzers 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 Water Electrolyzers by Country
  - 8.1.1 Middle East & Africa PEM Water Electrolyzers Sales by Country (2019-2024)
  - 8.1.2 Middle East & Africa PEM Water Electrolyzers Revenue by Country (2019-2024)
- 8.2 Middle East & Africa PEM Water Electrolyzers Sales by Type
- 8.3 Middle East & Africa PEM Water Electrolyzers 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 Water Electrolyzers
- 10.3 Manufacturing Process Analysis of PEM Water Electrolyzers
- 10.4 Industry Chain Structure of PEM Water Electrolyzers

## **11 MARKETING, DISTRIBUTORS AND CUSTOMER**

- 11.1 Sales Channel
  - 11.1.1 Direct Channels
  - 11.1.2 Indirect Channels
- 11.2 PEM Water Electrolyzers Distributors
- 11.3 PEM Water Electrolyzers Customer

## **12 WORLD FORECAST REVIEW FOR PEM WATER ELECTROLYZERS BY**

## **GEOGRAPHIC REGION**

- 12.1 Global PEM Water Electrolyzers Market Size Forecast by Region
  - 12.1.1 Global PEM Water Electrolyzers Forecast by Region (2025-2030)
  - 12.1.2 Global PEM Water Electrolyzers Annual Revenue Forecast by Region (2025-2030)
- 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 Water Electrolyzers Forecast by Type
- 12.7 Global PEM Water Electrolyzers Forecast by Application

## **13 KEY PLAYERS ANALYSIS**

- 13.1 Proton On-Site
  - 13.1.1 Proton On-Site Company Information
  - 13.1.2 Proton On-Site PEM Water Electrolyzers Product Portfolios and Specifications
  - 13.1.3 Proton On-Site PEM Water Electrolyzers Sales, Revenue, Price and Gross Margin (2019-2024)
  - 13.1.4 Proton On-Site Main Business Overview
  - 13.1.5 Proton On-Site Latest Developments
- 13.2 Cummins
  - 13.2.1 Cummins Company Information
  - 13.2.2 Cummins PEM Water Electrolyzers Product Portfolios and Specifications
  - 13.2.3 Cummins PEM Water Electrolyzers Sales, Revenue, Price and Gross Margin (2019-2024)
  - 13.2.4 Cummins Main Business Overview
  - 13.2.5 Cummins Latest Developments
- 13.3 Siemens
  - 13.3.1 Siemens Company Information
  - 13.3.2 Siemens PEM Water Electrolyzers Product Portfolios and Specifications
  - 13.3.3 Siemens PEM Water Electrolyzers Sales, Revenue, Price and Gross Margin (2019-2024)
  - 13.3.4 Siemens Main Business Overview
  - 13.3.5 Siemens Latest Developments
- 13.4 Toshiba
  - 13.4.1 Toshiba Company Information
  - 13.4.2 Toshiba PEM Water Electrolyzers Product Portfolios and Specifications

13.4.3 Toshiba PEM Water Electrolyzers Sales, Revenue, Price and Gross Margin (2019-2024)

13.4.4 Toshiba Main Business Overview

13.4.5 Toshiba Latest Developments

13.5 Kobelco Eco-Solutions

13.5.1 Kobelco Eco-Solutions Company Information

13.5.2 Kobelco Eco-Solutions PEM Water Electrolyzers Product Portfolios and Specifications

13.5.3 Kobelco Eco-Solutions PEM Water Electrolyzers Sales, Revenue, Price and Gross Margin (2019-2024)

13.5.4 Kobelco Eco-Solutions Main Business Overview

13.5.5 Kobelco Eco-Solutions Latest Developments

13.6 Elogen

13.6.1 Elogen Company Information

13.6.2 Elogen PEM Water Electrolyzers Product Portfolios and Specifications

13.6.3 Elogen PEM Water Electrolyzers Sales, Revenue, Price and Gross Margin (2019-2024)

13.6.4 Elogen Main Business Overview

13.6.5 Elogen Latest Developments

13.7 Shandong Saksay Hydrogen Energy

13.7.1 Shandong Saksay Hydrogen Energy Company Information

13.7.2 Shandong Saksay Hydrogen Energy PEM Water Electrolyzers Product Portfolios and Specifications

13.7.3 Shandong Saksay Hydrogen Energy PEM Water Electrolyzers Sales, Revenue, Price and Gross Margin (2019-2024)

13.7.4 Shandong Saksay Hydrogen Energy Main Business Overview

13.7.5 Shandong Saksay Hydrogen Energy Latest Developments

13.8 ITM Power

13.8.1 ITM Power Company Information

13.8.2 ITM Power PEM Water Electrolyzers Product Portfolios and Specifications

13.8.3 ITM Power PEM Water Electrolyzers Sales, Revenue, Price and Gross Margin (2019-2024)

13.8.4 ITM Power Main Business Overview

13.8.5 ITM Power Latest Developments

13.9 Elchemtech

13.9.1 Elchemtech Company Information

13.9.2 Elchemtech PEM Water Electrolyzers Product Portfolios and Specifications

13.9.3 Elchemtech PEM Water Electrolyzers Sales, Revenue, Price and Gross Margin (2019-2024)

- 13.9.4 Elchemtech Main Business Overview
- 13.9.5 Elchemtech Latest Developments
- 13.10 718th Research Institute of CSIC
  - 13.10.1 718th Research Institute of CSIC Company Information
  - 13.10.2 718th Research Institute of CSIC PEM Water Electrolyzers Product Portfolios and Specifications
  - 13.10.3 718th Research Institute of CSIC PEM Water Electrolyzers Sales, Revenue, Price and Gross Margin (2019-2024)
  - 13.10.4 718th Research Institute of CSIC Main Business Overview
  - 13.10.5 718th Research Institute of CSIC Latest Developments
- 13.11 H2B2
  - 13.11.1 H2B2 Company Information
  - 13.11.2 H2B2 PEM Water Electrolyzers Product Portfolios and Specifications
  - 13.11.3 H2B2 PEM Water Electrolyzers Sales, Revenue, Price and Gross Margin (2019-2024)
  - 13.11.4 H2B2 Main Business Overview
  - 13.11.5 H2B2 Latest Developments

## **14 RESEARCH FINDINGS AND CONCLUSION**

## List Of Tables

### LIST OF TABLES

Table 1. PEM Water Electrolyzers Annual Sales CAGR by Geographic Region (2019, 2023 & 2030) & (\$ millions)

Table 2. PEM Water Electrolyzers Annual Sales CAGR by Country/Region (2019, 2023 & 2030) & (\$ millions)

Table 3. Major Players of Small Scale Type

Table 4. Major Players of Middle Scale Type

Table 5. Major Players of Large Scale Type

Table 6. Global PEM Water Electrolyzers Sales by Type (2019-2024) & (Units)

Table 7. Global PEM Water Electrolyzers Sales Market Share by Type (2019-2024)

Table 8. Global PEM Water Electrolyzers Revenue by Type (2019-2024) & (\$ million)

Table 9. Global PEM Water Electrolyzers Revenue Market Share by Type (2019-2024)

Table 10. Global PEM Water Electrolyzers Sale Price by Type (2019-2024) & (K US\$/Unit)

Table 11. Global PEM Water Electrolyzers Sales by Application (2019-2024) & (Units)

Table 12. Global PEM Water Electrolyzers Sales Market Share by Application (2019-2024)

Table 13. Global PEM Water Electrolyzers Revenue by Application (2019-2024)

Table 14. Global PEM Water Electrolyzers Revenue Market Share by Application (2019-2024)

Table 15. Global PEM Water Electrolyzers Sale Price by Application (2019-2024) & (K US\$/Unit)

Table 16. Global PEM Water Electrolyzers Sales by Company (2019-2024) & (Units)

Table 17. Global PEM Water Electrolyzers Sales Market Share by Company (2019-2024)

Table 18. Global PEM Water Electrolyzers Revenue by Company (2019-2024) (\$ Millions)

Table 19. Global PEM Water Electrolyzers Revenue Market Share by Company (2019-2024)

Table 20. Global PEM Water Electrolyzers Sale Price by Company (2019-2024) & (K US\$/Unit)

Table 21. Key Manufacturers PEM Water Electrolyzers Producing Area Distribution and Sales Area

Table 22. Players PEM Water Electrolyzers Products Offered

Table 23. PEM Water Electrolyzers Concentration Ratio (CR3, CR5 and CR10) & (2019-2024)

Table 24. New Products and Potential Entrants

Table 25. Mergers & Acquisitions, Expansion

Table 26. Global PEM Water Electrolyzers Sales by Geographic Region (2019-2024) & (Units)

Table 27. Global PEM Water Electrolyzers Sales Market Share Geographic Region (2019-2024)

Table 28. Global PEM Water Electrolyzers Revenue by Geographic Region (2019-2024) & (\$ millions)

Table 29. Global PEM Water Electrolyzers Revenue Market Share by Geographic Region (2019-2024)

Table 30. Global PEM Water Electrolyzers Sales by Country/Region (2019-2024) & (Units)

Table 31. Global PEM Water Electrolyzers Sales Market Share by Country/Region (2019-2024)

Table 32. Global PEM Water Electrolyzers Revenue by Country/Region (2019-2024) & (\$ millions)

Table 33. Global PEM Water Electrolyzers Revenue Market Share by Country/Region (2019-2024)

Table 34. Americas PEM Water Electrolyzers Sales by Country (2019-2024) & (Units)

Table 35. Americas PEM Water Electrolyzers Sales Market Share by Country (2019-2024)

Table 36. Americas PEM Water Electrolyzers Revenue by Country (2019-2024) & (\$ Millions)

Table 37. Americas PEM Water Electrolyzers Revenue Market Share by Country (2019-2024)

Table 38. Americas PEM Water Electrolyzers Sales by Type (2019-2024) & (Units)

Table 39. Americas PEM Water Electrolyzers Sales by Application (2019-2024) & (Units)

Table 40. APAC PEM Water Electrolyzers Sales by Region (2019-2024) & (Units)

Table 41. APAC PEM Water Electrolyzers Sales Market Share by Region (2019-2024)

Table 42. APAC PEM Water Electrolyzers Revenue by Region (2019-2024) & (\$ Millions)

Table 43. APAC PEM Water Electrolyzers Revenue Market Share by Region (2019-2024)

Table 44. APAC PEM Water Electrolyzers Sales by Type (2019-2024) & (Units)

Table 45. APAC PEM Water Electrolyzers Sales by Application (2019-2024) & (Units)

Table 46. Europe PEM Water Electrolyzers Sales by Country (2019-2024) & (Units)

Table 47. Europe PEM Water Electrolyzers Sales Market Share by Country (2019-2024)

Table 48. Europe PEM Water Electrolyzers Revenue by Country (2019-2024) & (\$

Millions)

Table 49. Europe PEM Water Electrolyzers Revenue Market Share by Country (2019-2024)

Table 50. Europe PEM Water Electrolyzers Sales by Type (2019-2024) & (Units)

Table 51. Europe PEM Water Electrolyzers Sales by Application (2019-2024) & (Units)

Table 52. Middle East & Africa PEM Water Electrolyzers Sales by Country (2019-2024) & (Units)

Table 53. Middle East & Africa PEM Water Electrolyzers Sales Market Share by Country (2019-2024)

Table 54. Middle East & Africa PEM Water Electrolyzers Revenue by Country (2019-2024) & (\$ Millions)

Table 55. Middle East & Africa PEM Water Electrolyzers Revenue Market Share by Country (2019-2024)

Table 56. Middle East & Africa PEM Water Electrolyzers Sales by Type (2019-2024) & (Units)

Table 57. Middle East & Africa PEM Water Electrolyzers Sales by Application (2019-2024) & (Units)

Table 58. Key Market Drivers & Growth Opportunities of PEM Water Electrolyzers

Table 59. Key Market Challenges & Risks of PEM Water Electrolyzers

Table 60. Key Industry Trends of PEM Water Electrolyzers

Table 61. PEM Water Electrolyzers Raw Material

Table 62. Key Suppliers of Raw Materials

Table 63. PEM Water Electrolyzers Distributors List

Table 64. PEM Water Electrolyzers Customer List

Table 65. Global PEM Water Electrolyzers Sales Forecast by Region (2025-2030) & (Units)

Table 66. Global PEM Water Electrolyzers Revenue Forecast by Region (2025-2030) & (\$ millions)

Table 67. Americas PEM Water Electrolyzers Sales Forecast by Country (2025-2030) & (Units)

Table 68. Americas PEM Water Electrolyzers Revenue Forecast by Country (2025-2030) & (\$ millions)

Table 69. APAC PEM Water Electrolyzers Sales Forecast by Region (2025-2030) & (Units)

Table 70. APAC PEM Water Electrolyzers Revenue Forecast by Region (2025-2030) & (\$ millions)

Table 71. Europe PEM Water Electrolyzers Sales Forecast by Country (2025-2030) & (Units)

Table 72. Europe PEM Water Electrolyzers Revenue Forecast by Country (2025-2030)



& (\$ millions)

Table 73. Middle East & Africa PEM Water Electrolyzers Sales Forecast by Country (2025-2030) & (Units)

Table 74. Middle East & Africa PEM Water Electrolyzers Revenue Forecast by Country (2025-2030) & (\$ millions)

Table 75. Global PEM Water Electrolyzers Sales Forecast by Type (2025-2030) & (Units)

Table 76. Global PEM Water Electrolyzers Revenue Forecast by Type (2025-2030) & (\$ Millions)

Table 77. Global PEM Water Electrolyzers Sales Forecast by Application (2025-2030) & (Units)

Table 78. Global PEM Water Electrolyzers Revenue Forecast by Application (2025-2030) & (\$ Millions)

Table 79. Proton On-Site Basic Information, PEM Water Electrolyzers Manufacturing Base, Sales Area and Its Competitors

Table 80. Proton On-Site PEM Water Electrolyzers Product Portfolios and Specifications

Table 81. Proton On-Site PEM Water Electrolyzers Sales (Units), Revenue (\$ Million), Price (K US\$/Unit) and Gross Margin (2019-2024)

Table 82. Proton On-Site Main Business

Table 83. Proton On-Site Latest Developments

Table 84. Cummins Basic Information, PEM Water Electrolyzers Manufacturing Base, Sales Area and Its Competitors

Table 85. Cummins PEM Water Electrolyzers Product Portfolios and Specifications

Table 86. Cummins PEM Water Electrolyzers Sales (Units), Revenue (\$ Million), Price (K US\$/Unit) and Gross Margin (2019-2024)

Table 87. Cummins Main Business

Table 88. Cummins Latest Developments

Table 89. Siemens Basic Information, PEM Water Electrolyzers Manufacturing Base, Sales Area and Its Competitors

Table 90. Siemens PEM Water Electrolyzers Product Portfolios and Specifications

Table 91. Siemens PEM Water Electrolyzers Sales (Units), Revenue (\$ Million), Price (K US\$/Unit) and Gross Margin (2019-2024)

Table 92. Siemens Main Business

Table 93. Siemens Latest Developments

Table 94. Toshiba Basic Information, PEM Water Electrolyzers Manufacturing Base, Sales Area and Its Competitors

Table 95. Toshiba PEM Water Electrolyzers Product Portfolios and Specifications

Table 96. Toshiba PEM Water Electrolyzers Sales (Units), Revenue (\$ Million), Price (K

US\$/Unit) and Gross Margin (2019-2024)

Table 97. Toshiba Main Business

Table 98. Toshiba Latest Developments

Table 99. Kobelco Eco-Solutions Basic Information, PEM Water Electrolyzers Manufacturing Base, Sales Area and Its Competitors

Table 100. Kobelco Eco-Solutions PEM Water Electrolyzers Product Portfolios and Specifications

Table 101. Kobelco Eco-Solutions PEM Water Electrolyzers Sales (Units), Revenue (\$ Million), Price (K US\$/Unit) and Gross Margin (2019-2024)

Table 102. Kobelco Eco-Solutions Main Business

Table 103. Kobelco Eco-Solutions Latest Developments

Table 104. Elogen Basic Information, PEM Water Electrolyzers Manufacturing Base, Sales Area and Its Competitors

Table 105. Elogen PEM Water Electrolyzers Product Portfolios and Specifications

Table 106. Elogen PEM Water Electrolyzers Sales (Units), Revenue (\$ Million), Price (K US\$/Unit) and Gross Margin (2019-2024)

Table 107. Elogen Main Business

Table 108. Elogen Latest Developments

Table 109. Shandong Saksay Hydrogen Energy Basic Information, PEM Water Electrolyzers Manufacturing Base, Sales Area and Its Competitors

Table 110. Shandong Saksay Hydrogen Energy PEM Water Electrolyzers Product Portfolios and Specifications

Table 111. Shandong Saksay Hydrogen Energy PEM Water Electrolyzers Sales (Units), Revenue (\$ Million), Price (K US\$/Unit) and Gross Margin (2019-2024)

Table 112. Shandong Saksay Hydrogen Energy Main Business

Table 113. Shandong Saksay Hydrogen Energy Latest Developments

Table 114. ITM Power Basic Information, PEM Water Electrolyzers Manufacturing Base, Sales Area and Its Competitors

Table 115. ITM Power PEM Water Electrolyzers Product Portfolios and Specifications

Table 116. ITM Power PEM Water Electrolyzers Sales (Units), Revenue (\$ Million), Price (K US\$/Unit) and Gross Margin (2019-2024)

Table 117. ITM Power Main Business

Table 118. ITM Power Latest Developments

Table 119. Elchemtech Basic Information, PEM Water Electrolyzers Manufacturing Base, Sales Area and Its Competitors

Table 120. Elchemtech PEM Water Electrolyzers Product Portfolios and Specifications

Table 121. Elchemtech PEM Water Electrolyzers Sales (Units), Revenue (\$ Million), Price (K US\$/Unit) and Gross Margin (2019-2024)

Table 122. Elchemtech Main Business

Table 123. Elchemtech Latest Developments

Table 124. 718th Research Institute of CSIC Basic Information, PEM Water Electrolyzers Manufacturing Base, Sales Area and Its Competitors

Table 125. 718th Research Institute of CSIC PEM Water Electrolyzers Product Portfolios and Specifications

Table 126. 718th Research Institute of CSIC PEM Water Electrolyzers Sales (Units), Revenue (\$ Million), Price (K US\$/Unit) and Gross Margin (2019-2024)

Table 127. 718th Research Institute of CSIC Main Business

Table 128. 718th Research Institute of CSIC Latest Developments

Table 129. H2B2 Basic Information, PEM Water Electrolyzers Manufacturing Base, Sales Area and Its Competitors

Table 130. H2B2 PEM Water Electrolyzers Product Portfolios and Specifications

Table 131. H2B2 PEM Water Electrolyzers Sales (Units), Revenue (\$ Million), Price (K US\$/Unit) and Gross Margin (2019-2024)

Table 132. H2B2 Main Business

Table 133. H2B2 Latest Developments

## List Of Figures

### LIST OF FIGURES

- Figure 1. Picture of PEM Water Electrolyzers
- Figure 2. PEM Water Electrolyzers Report Years Considered
- Figure 3. Research Objectives
- Figure 4. Research Methodology
- Figure 5. Research Process and Data Source
- Figure 6. Global PEM Water Electrolyzers Sales Growth Rate 2019-2030 (Units)
- Figure 7. Global PEM Water Electrolyzers Revenue Growth Rate 2019-2030 (\$ Millions)
- Figure 8. PEM Water Electrolyzers Sales by Region (2019, 2023 & 2030) & (\$ Millions)
- Figure 9. Product Picture of Small Scale Type
- Figure 10. Product Picture of Middle Scale Type
- Figure 11. Product Picture of Large Scale Type
- Figure 12. Global PEM Water Electrolyzers Sales Market Share by Type in 2023
- Figure 13. Global PEM Water Electrolyzers Revenue Market Share by Type (2019-2024)
- Figure 14. PEM Water Electrolyzers Consumed in Hydrogen Refueling Station
- Figure 15. Global PEM Water Electrolyzers Market: Hydrogen Refueling Station (2019-2024) & (Units)
- Figure 16. PEM Water Electrolyzers Consumed in Laboratory
- Figure 17. Global PEM Water Electrolyzers Market: Laboratory (2019-2024) & (Units)
- Figure 18. PEM Water Electrolyzers Consumed in Petrochemical Industry
- Figure 19. Global PEM Water Electrolyzers Market: Petrochemical Industry (2019-2024) & (Units)
- Figure 20. PEM Water Electrolyzers Consumed in Electronics and Semiconductor
- Figure 21. Global PEM Water Electrolyzers Market: Electronics and Semiconductor (2019-2024) & (Units)
- Figure 22. PEM Water Electrolyzers Consumed in Power to Gas
- Figure 23. Global PEM Water Electrolyzers Market: Power to Gas (2019-2024) & (Units)
- Figure 24. Global PEM Water Electrolyzers Sales Market Share by Application (2023)
- Figure 25. Global PEM Water Electrolyzers Revenue Market Share by Application in 2023
- Figure 26. PEM Water Electrolyzers Sales Market by Company in 2023 (Units)
- Figure 27. Global PEM Water Electrolyzers Sales Market Share by Company in 2023
- Figure 28. PEM Water Electrolyzers Revenue Market by Company in 2023 (\$ Million)
- Figure 29. Global PEM Water Electrolyzers Revenue Market Share by Company in 2023

Figure 30. Global PEM Water Electrolyzers Sales Market Share by Geographic Region (2019-2024)

Figure 31. Global PEM Water Electrolyzers Revenue Market Share by Geographic Region in 2023

Figure 32. Americas PEM Water Electrolyzers Sales 2019-2024 (Units)

Figure 33. Americas PEM Water Electrolyzers Revenue 2019-2024 (\$ Millions)

Figure 34. APAC PEM Water Electrolyzers Sales 2019-2024 (Units)

Figure 35. APAC PEM Water Electrolyzers Revenue 2019-2024 (\$ Millions)

Figure 36. Europe PEM Water Electrolyzers Sales 2019-2024 (Units)

Figure 37. Europe PEM Water Electrolyzers Revenue 2019-2024 (\$ Millions)

Figure 38. Middle East & Africa PEM Water Electrolyzers Sales 2019-2024 (Units)

Figure 39. Middle East & Africa PEM Water Electrolyzers Revenue 2019-2024 (\$ Millions)

Figure 40. Americas PEM Water Electrolyzers Sales Market Share by Country in 2023

Figure 41. Americas PEM Water Electrolyzers Revenue Market Share by Country in 2023

Figure 42. Americas PEM Water Electrolyzers Sales Market Share by Type (2019-2024)

Figure 43. Americas PEM Water Electrolyzers Sales Market Share by Application (2019-2024)

Figure 44. United States PEM Water Electrolyzers Revenue Growth 2019-2024 (\$ Millions)

Figure 45. Canada PEM Water Electrolyzers Revenue Growth 2019-2024 (\$ Millions)

Figure 46. Mexico PEM Water Electrolyzers Revenue Growth 2019-2024 (\$ Millions)

Figure 47. Brazil PEM Water Electrolyzers Revenue Growth 2019-2024 (\$ Millions)

Figure 48. APAC PEM Water Electrolyzers Sales Market Share by Region in 2023

Figure 49. APAC PEM Water Electrolyzers Revenue Market Share by Regions in 2023

Figure 50. APAC PEM Water Electrolyzers Sales Market Share by Type (2019-2024)

Figure 51. APAC PEM Water Electrolyzers Sales Market Share by Application (2019-2024)

Figure 52. China PEM Water Electrolyzers Revenue Growth 2019-2024 (\$ Millions)

Figure 53. Japan PEM Water Electrolyzers Revenue Growth 2019-2024 (\$ Millions)

Figure 54. South Korea PEM Water Electrolyzers Revenue Growth 2019-2024 (\$ Millions)

Figure 55. Southeast Asia PEM Water Electrolyzers Revenue Growth 2019-2024 (\$ Millions)

Figure 56. India PEM Water Electrolyzers Revenue Growth 2019-2024 (\$ Millions)

Figure 57. Australia PEM Water Electrolyzers Revenue Growth 2019-2024 (\$ Millions)

Figure 58. China Taiwan PEM Water Electrolyzers Revenue Growth 2019-2024 (\$ Millions)

- Figure 59. Europe PEM Water Electrolyzers Sales Market Share by Country in 2023
- Figure 60. Europe PEM Water Electrolyzers Revenue Market Share by Country in 2023
- Figure 61. Europe PEM Water Electrolyzers Sales Market Share by Type (2019-2024)
- Figure 62. Europe PEM Water Electrolyzers Sales Market Share by Application (2019-2024)
- Figure 63. Germany PEM Water Electrolyzers Revenue Growth 2019-2024 (\$ Millions)
- Figure 64. France PEM Water Electrolyzers Revenue Growth 2019-2024 (\$ Millions)
- Figure 65. UK PEM Water Electrolyzers Revenue Growth 2019-2024 (\$ Millions)
- Figure 66. Italy PEM Water Electrolyzers Revenue Growth 2019-2024 (\$ Millions)
- Figure 67. Russia PEM Water Electrolyzers Revenue Growth 2019-2024 (\$ Millions)
- Figure 68. Middle East & Africa PEM Water Electrolyzers Sales Market Share by Country in 2023
- Figure 69. Middle East & Africa PEM Water Electrolyzers Revenue Market Share by Country in 2023
- Figure 70. Middle East & Africa PEM Water Electrolyzers Sales Market Share by Type (2019-2024)
- Figure 71. Middle East & Africa PEM Water Electrolyzers Sales Market Share by Application (2019-2024)
- Figure 72. Egypt PEM Water Electrolyzers Revenue Growth 2019-2024 (\$ Millions)
- Figure 73. South Africa PEM Water Electrolyzers Revenue Growth 2019-2024 (\$ Millions)
- Figure 74. Israel PEM Water Electrolyzers Revenue Growth 2019-2024 (\$ Millions)
- Figure 75. Turkey PEM Water Electrolyzers Revenue Growth 2019-2024 (\$ Millions)
- Figure 76. GCC Country PEM Water Electrolyzers Revenue Growth 2019-2024 (\$ Millions)
- Figure 77. Manufacturing Cost Structure Analysis of PEM Water Electrolyzers in 2023
- Figure 78. Manufacturing Process Analysis of PEM Water Electrolyzers
- Figure 79. Industry Chain Structure of PEM Water Electrolyzers
- Figure 80. Channels of Distribution
- Figure 81. Global PEM Water Electrolyzers Sales Market Forecast by Region (2025-2030)
- Figure 82. Global PEM Water Electrolyzers Revenue Market Share Forecast by Region (2025-2030)
- Figure 83. Global PEM Water Electrolyzers Sales Market Share Forecast by Type (2025-2030)
- Figure 84. Global PEM Water Electrolyzers Revenue Market Share Forecast by Type (2025-2030)
- Figure 85. Global PEM Water Electrolyzers Sales Market Share Forecast by Application (2025-2030)

Figure 86. Global PEM Water Electrolyzers Revenue Market Share Forecast by Application (2025-2030)

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