

Global PEM Water Electrolyzer Market Growth 2025-2031

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Abstracts

The global PEM Water Electrolyzer market size is predicted to grow from US\$ million in 2025 to US\$ million in 2031; it is expected to grow at a CAGR of %from 2025 to 2031.

The impact of the latest U.S. tariff measures and the corresponding policy responses from countries worldwide on market competitiveness, regional economic performance, and supply chain configurations will be comprehensively evaluated in this report.

Electrolysis is a promising option for hydrogen production from renewable resources. Electrolysis is the process of using electricity to split water into hydrogen and oxygen. This reaction takes place in a unit called an electrolyze. Electrolyzes can range in size from small, appliance-size equipment that is well-suited for small-scale distributed hydrogen production to large-scale, central production facilities that could be tied directly to renewable or other non-greenhouse-gas-emitting forms of electricity production.

Proton exchange membrane (PEM) electrolysis 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.

LP Information, Inc. (LPI) ' newest research report, the ?PEM Water Electrolyzer Industry Forecast? looks at past sales and reviews total world PEM Water Electrolyzer sales in 2024, providing a comprehensive analysis by region and market sector of projected PEM Water Electrolyzer sales for 2025 through 2031. With PEM Water Electrolyzer sales broken down by region, market sector and sub-sector, this report

provides a detailed analysis in US\$ millions of the world PEM Water Electrolyzer industry.

This Insight Report provides a comprehensive analysis of the global PEM Water Electrolyzer 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 Water Electrolyzer portfolios and capabilities, market entry strategies, market positions, and geographic footprints, to better understand these firms' unique position in an accelerating global PEM Water Electrolyzer market.

This Insight Report evaluates the key market trends, drivers, and affecting factors shaping the global outlook for PEM Water Electrolyzer 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 Water Electrolyzer.

This report presents a comprehensive overview, market shares, and growth opportunities of PEM Water Electrolyzer market by product type, application, key manufacturers and key regions and countries.

Segmentation by Type:

Small Scale Type

Middle Scale Type

Large Scale Type

Segmentation by Application:

Hydrogen Refueling Station

Public Applications

Petrochemical Industry

Electronics and Semiconductor

Power to Gas

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 analysing the company's coverage, product portfolio, its market penetration.

Proton On-Site

Cummins

Siemens

Plug Power

718th Research Institute of CSIC

Sungrow Power Supply

Shenzhen Kohodo Hydrogen Energy

Jiangsu Guofu Hydrogen Energy Equipment

Toshiba

Kobelco Eco-Solutions

Elogen

Shandong Saksay Hydrogen Energy

ITM Power

Elchemtech

H2B2

Key Questions Addressed in this Report

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

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

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

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

How does PEM Water Electrolyzer break out by Type, by 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 Electrolyzer Annual Sales 2020-2031
 - 2.1.2 World Current & Future Analysis for PEM Water Electrolyzer by Geographic Region, 2020, 2024 & 2031
 - 2.1.3 World Current & Future Analysis for PEM Water Electrolyzer by Country/Region, 2020, 2024 & 2031
- 2.2 PEM Water Electrolyzer Segment by Type
 - 2.2.1 Small Scale Type
 - 2.2.2 Middle Scale Type
 - 2.2.3 Large Scale Type
- 2.3 PEM Water Electrolyzer Sales by Type
 - 2.3.1 Global PEM Water Electrolyzer Sales Market Share by Type (2020-2025)
 - 2.3.2 Global PEM Water Electrolyzer Revenue and Market Share by Type (2020-2025)
 - 2.3.3 Global PEM Water Electrolyzer Sale Price by Type (2020-2025)
- 2.4 PEM Water Electrolyzer Segment by Application
 - 2.4.1 Hydrogen Refueling Station
 - 2.4.2 Public Applications
 - 2.4.3 Petrochemical Industry
 - 2.4.4 Electronics and Semiconductor
 - 2.4.5 Power to Gas
 - 2.4.6 Others
- 2.5 PEM Water Electrolyzer Sales by Application
 - 2.5.1 Global PEM Water Electrolyzer Sale Market Share by Application (2020-2025)
 - 2.5.2 Global PEM Water Electrolyzer Revenue and Market Share by Application

(2020-2025)

2.5.3 Global PEM Water Electrolyzer Sale Price by Application (2020-2025)

3 GLOBAL BY COMPANY

3.1 Global PEM Water Electrolyzer Breakdown Data by Company

3.1.1 Global PEM Water Electrolyzer Annual Sales by Company (2020-2025)

3.1.2 Global PEM Water Electrolyzer Sales Market Share by Company (2020-2025)

3.2 Global PEM Water Electrolyzer Annual Revenue by Company (2020-2025)

3.2.1 Global PEM Water Electrolyzer Revenue by Company (2020-2025)

3.2.2 Global PEM Water Electrolyzer Revenue Market Share by Company

(2020-2025)

3.3 Global PEM Water Electrolyzer Sale Price by Company

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

3.4.1 Key Manufacturers PEM Water Electrolyzer Product Location Distribution

3.4.2 Players PEM Water Electrolyzer Products Offered

3.5 Market Concentration Rate Analysis

3.5.1 Competition Landscape Analysis

3.5.2 Concentration Ratio (CR3, CR5 and CR10) & (2023-2025)

3.6 New Products and Potential Entrants

3.7 Market M&A Activity & Strategy

4 WORLD HISTORIC REVIEW FOR PEM WATER ELECTROLYZER BY GEOGRAPHIC REGION

4.1 World Historic PEM Water Electrolyzer Market Size by Geographic Region (2020-2025)

4.1.1 Global PEM Water Electrolyzer Annual Sales by Geographic Region (2020-2025)

4.1.2 Global PEM Water Electrolyzer Annual Revenue by Geographic Region

(2020-2025)

4.2 World Historic PEM Water Electrolyzer Market Size by Country/Region (2020-2025)

4.2.1 Global PEM Water Electrolyzer Annual Sales by Country/Region (2020-2025)

4.2.2 Global PEM Water Electrolyzer Annual Revenue by Country/Region (2020-2025)

4.3 Americas PEM Water Electrolyzer Sales Growth

4.4 APAC PEM Water Electrolyzer Sales Growth

4.5 Europe PEM Water Electrolyzer Sales Growth

4.6 Middle East & Africa PEM Water Electrolyzer Sales Growth

5 AMERICAS

5.1 Americas PEM Water Electrolyzer Sales by Country

5.1.1 Americas PEM Water Electrolyzer Sales by Country (2020-2025)

5.1.2 Americas PEM Water Electrolyzer Revenue by Country (2020-2025)

5.2 Americas PEM Water Electrolyzer Sales by Type (2020-2025)

5.3 Americas PEM Water Electrolyzer Sales by Application (2020-2025)

5.4 United States

5.5 Canada

5.6 Mexico

5.7 Brazil

6 APAC

6.1 APAC PEM Water Electrolyzer Sales by Region

6.1.1 APAC PEM Water Electrolyzer Sales by Region (2020-2025)

6.1.2 APAC PEM Water Electrolyzer Revenue by Region (2020-2025)

6.2 APAC PEM Water Electrolyzer Sales by Type (2020-2025)

6.3 APAC PEM Water Electrolyzer Sales by Application (2020-2025)

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 Electrolyzer by Country

7.1.1 Europe PEM Water Electrolyzer Sales by Country (2020-2025)

7.1.2 Europe PEM Water Electrolyzer Revenue by Country (2020-2025)

7.2 Europe PEM Water Electrolyzer Sales by Type (2020-2025)

7.3 Europe PEM Water Electrolyzer Sales by Application (2020-2025)

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 Electrolyzer by Country

8.1.1 Middle East & Africa PEM Water Electrolyzer Sales by Country (2020-2025)

8.1.2 Middle East & Africa PEM Water Electrolyzer Revenue by Country (2020-2025)

8.2 Middle East & Africa PEM Water Electrolyzer Sales by Type (2020-2025)

8.3 Middle East & Africa PEM Water Electrolyzer Sales by Application (2020-2025)

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 Electrolyzer

10.3 Manufacturing Process Analysis of PEM Water Electrolyzer

10.4 Industry Chain Structure of PEM Water Electrolyzer

11 MARKETING, DISTRIBUTORS AND CUSTOMER

11.1 Sales Channel

11.1.1 Direct Channels

11.1.2 Indirect Channels

11.2 PEM Water Electrolyzer Distributors

11.3 PEM Water Electrolyzer Customer

12 WORLD FORECAST REVIEW FOR PEM WATER ELECTROLYZER BY GEOGRAPHIC REGION

12.1 Global PEM Water Electrolyzer Market Size Forecast by Region

- 12.1.1 Global PEM Water Electrolyzer Forecast by Region (2026-2031)
- 12.1.2 Global PEM Water Electrolyzer Annual Revenue Forecast by Region (2026-2031)
- 12.2 Americas Forecast by Country (2026-2031)
- 12.3 APAC Forecast by Region (2026-2031)
- 12.4 Europe Forecast by Country (2026-2031)
- 12.5 Middle East & Africa Forecast by Country (2026-2031)
- 12.6 Global PEM Water Electrolyzer Forecast by Type (2026-2031)
- 12.7 Global PEM Water Electrolyzer Forecast by Application (2026-2031)

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 Electrolyzer Product Portfolios and Specifications
 - 13.1.3 Proton On-Site PEM Water Electrolyzer Sales, Revenue, Price and Gross Margin (2020-2025)
 - 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 Electrolyzer Product Portfolios and Specifications
 - 13.2.3 Cummins PEM Water Electrolyzer Sales, Revenue, Price and Gross Margin (2020-2025)
 - 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 Electrolyzer Product Portfolios and Specifications
 - 13.3.3 Siemens PEM Water Electrolyzer Sales, Revenue, Price and Gross Margin (2020-2025)
 - 13.3.4 Siemens Main Business Overview
 - 13.3.5 Siemens Latest Developments
- 13.4 Plug Power
 - 13.4.1 Plug Power Company Information
 - 13.4.2 Plug Power PEM Water Electrolyzer Product Portfolios and Specifications
 - 13.4.3 Plug Power PEM Water Electrolyzer Sales, Revenue, Price and Gross Margin (2020-2025)
 - 13.4.4 Plug Power Main Business Overview

- 13.4.5 Plug Power Latest Developments
- 13.5 718th Research Institute of CSIC
 - 13.5.1 718th Research Institute of CSIC Company Information
 - 13.5.2 718th Research Institute of CSIC PEM Water Electrolyzer Product Portfolios and Specifications
 - 13.5.3 718th Research Institute of CSIC PEM Water Electrolyzer Sales, Revenue, Price and Gross Margin (2020-2025)
 - 13.5.4 718th Research Institute of CSIC Main Business Overview
 - 13.5.5 718th Research Institute of CSIC Latest Developments
- 13.6 Sungrow Power Supply
 - 13.6.1 Sungrow Power Supply Company Information
 - 13.6.2 Sungrow Power Supply PEM Water Electrolyzer Product Portfolios and Specifications
 - 13.6.3 Sungrow Power Supply PEM Water Electrolyzer Sales, Revenue, Price and Gross Margin (2020-2025)
 - 13.6.4 Sungrow Power Supply Main Business Overview
 - 13.6.5 Sungrow Power Supply Latest Developments
- 13.7 Shenzhen Kohodo Hydrogen Energy
 - 13.7.1 Shenzhen Kohodo Hydrogen Energy Company Information
 - 13.7.2 Shenzhen Kohodo Hydrogen Energy PEM Water Electrolyzer Product Portfolios and Specifications
 - 13.7.3 Shenzhen Kohodo Hydrogen Energy PEM Water Electrolyzer Sales, Revenue, Price and Gross Margin (2020-2025)
 - 13.7.4 Shenzhen Kohodo Hydrogen Energy Main Business Overview
 - 13.7.5 Shenzhen Kohodo Hydrogen Energy Latest Developments
- 13.8 Jiangsu Guofu Hydrogen Energy Equipment
 - 13.8.1 Jiangsu Guofu Hydrogen Energy Equipment Company Information
 - 13.8.2 Jiangsu Guofu Hydrogen Energy Equipment PEM Water Electrolyzer Product Portfolios and Specifications
 - 13.8.3 Jiangsu Guofu Hydrogen Energy Equipment PEM Water Electrolyzer Sales, Revenue, Price and Gross Margin (2020-2025)
 - 13.8.4 Jiangsu Guofu Hydrogen Energy Equipment Main Business Overview
 - 13.8.5 Jiangsu Guofu Hydrogen Energy Equipment Latest Developments
- 13.9 Toshiba
 - 13.9.1 Toshiba Company Information
 - 13.9.2 Toshiba PEM Water Electrolyzer Product Portfolios and Specifications
 - 13.9.3 Toshiba PEM Water Electrolyzer Sales, Revenue, Price and Gross Margin (2020-2025)
 - 13.9.4 Toshiba Main Business Overview

- 13.9.5 Toshiba Latest Developments
- 13.10 Kobelco Eco-Solutions
 - 13.10.1 Kobelco Eco-Solutions Company Information
 - 13.10.2 Kobelco Eco-Solutions PEM Water Electrolyzer Product Portfolios and Specifications
 - 13.10.3 Kobelco Eco-Solutions PEM Water Electrolyzer Sales, Revenue, Price and Gross Margin (2020-2025)
 - 13.10.4 Kobelco Eco-Solutions Main Business Overview
 - 13.10.5 Kobelco Eco-Solutions Latest Developments
- 13.11 Elogen
 - 13.11.1 Elogen Company Information
 - 13.11.2 Elogen PEM Water Electrolyzer Product Portfolios and Specifications
 - 13.11.3 Elogen PEM Water Electrolyzer Sales, Revenue, Price and Gross Margin (2020-2025)
 - 13.11.4 Elogen Main Business Overview
 - 13.11.5 Elogen Latest Developments
- 13.12 Shandong Saksay Hydrogen Energy
 - 13.12.1 Shandong Saksay Hydrogen Energy Company Information
 - 13.12.2 Shandong Saksay Hydrogen Energy PEM Water Electrolyzer Product Portfolios and Specifications
 - 13.12.3 Shandong Saksay Hydrogen Energy PEM Water Electrolyzer Sales, Revenue, Price and Gross Margin (2020-2025)
 - 13.12.4 Shandong Saksay Hydrogen Energy Main Business Overview
 - 13.12.5 Shandong Saksay Hydrogen Energy Latest Developments
- 13.13 ITM Power
 - 13.13.1 ITM Power Company Information
 - 13.13.2 ITM Power PEM Water Electrolyzer Product Portfolios and Specifications
 - 13.13.3 ITM Power PEM Water Electrolyzer Sales, Revenue, Price and Gross Margin (2020-2025)
 - 13.13.4 ITM Power Main Business Overview
 - 13.13.5 ITM Power Latest Developments
- 13.14 Elchemtech
 - 13.14.1 Elchemtech Company Information
 - 13.14.2 Elchemtech PEM Water Electrolyzer Product Portfolios and Specifications
 - 13.14.3 Elchemtech PEM Water Electrolyzer Sales, Revenue, Price and Gross Margin (2020-2025)
 - 13.14.4 Elchemtech Main Business Overview
 - 13.14.5 Elchemtech Latest Developments
- 13.15 H2B2

13.15.1 H2B2 Company Information

13.15.2 H2B2 PEM Water Electrolyzer Product Portfolios and Specifications

13.15.3 H2B2 PEM Water Electrolyzer Sales, Revenue, Price and Gross Margin
(2020-2025)

13.15.4 H2B2 Main Business Overview

13.15.5 H2B2 Latest Developments

14 RESEARCH FINDINGS AND CONCLUSION

List Of Tables

LIST OF TABLES

Table 1. PEM Water Electrolyzer Annual Sales CAGR by Geographic Region (2020, 2024 & 2031) & (\$ millions)

Table 2. PEM Water Electrolyzer Annual Sales CAGR by Country/Region (2020, 2024 & 2031) & (\$ 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 Electrolyzer Sales by Type (2020-2025) & (Unit)

Table 7. Global PEM Water Electrolyzer Sales Market Share by Type (2020-2025)

Table 8. Global PEM Water Electrolyzer Revenue by Type (2020-2025) & (\$ million)

Table 9. Global PEM Water Electrolyzer Revenue Market Share by Type (2020-2025)

Table 10. Global PEM Water Electrolyzer Sale Price by Type (2020-2025) & (USD/Unit)

Table 11. Global PEM Water Electrolyzer Sale by Application (2020-2025) & (Unit)

Table 12. Global PEM Water Electrolyzer Sale Market Share by Application (2020-2025)

Table 13. Global PEM Water Electrolyzer Revenue by Application (2020-2025) & (\$ million)

Table 14. Global PEM Water Electrolyzer Revenue Market Share by Application (2020-2025)

Table 15. Global PEM Water Electrolyzer Sale Price by Application (2020-2025) & (USD/Unit)

Table 16. Global PEM Water Electrolyzer Sales by Company (2020-2025) & (Unit)

Table 17. Global PEM Water Electrolyzer Sales Market Share by Company (2020-2025)

Table 18. Global PEM Water Electrolyzer Revenue by Company (2020-2025) & (\$ millions)

Table 19. Global PEM Water Electrolyzer Revenue Market Share by Company (2020-2025)

Table 20. Global PEM Water Electrolyzer Sale Price by Company (2020-2025) & (USD/Unit)

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

Table 22. Players PEM Water Electrolyzer Products Offered

Table 23. PEM Water Electrolyzer Concentration Ratio (CR3, CR5 and CR10) & (2023-2025)

Table 24. New Products and Potential Entrants

Table 25. Market M&A Activity & Strategy

Table 26. Global PEM Water Electrolyzer Sales by Geographic Region (2020-2025) & (Unit)

Table 27. Global PEM Water Electrolyzer Sales Market Share Geographic Region (2020-2025)

Table 28. Global PEM Water Electrolyzer Revenue by Geographic Region (2020-2025) & (\$ millions)

Table 29. Global PEM Water Electrolyzer Revenue Market Share by Geographic Region (2020-2025)

Table 30. Global PEM Water Electrolyzer Sales by Country/Region (2020-2025) & (Unit)

Table 31. Global PEM Water Electrolyzer Sales Market Share by Country/Region (2020-2025)

Table 32. Global PEM Water Electrolyzer Revenue by Country/Region (2020-2025) & (\$ millions)

Table 33. Global PEM Water Electrolyzer Revenue Market Share by Country/Region (2020-2025)

Table 34. Americas PEM Water Electrolyzer Sales by Country (2020-2025) & (Unit)

Table 35. Americas PEM Water Electrolyzer Sales Market Share by Country (2020-2025)

Table 36. Americas PEM Water Electrolyzer Revenue by Country (2020-2025) & (\$ millions)

Table 37. Americas PEM Water Electrolyzer Sales by Type (2020-2025) & (Unit)

Table 38. Americas PEM Water Electrolyzer Sales by Application (2020-2025) & (Unit)

Table 39. APAC PEM Water Electrolyzer Sales by Region (2020-2025) & (Unit)

Table 40. APAC PEM Water Electrolyzer Sales Market Share by Region (2020-2025)

Table 41. APAC PEM Water Electrolyzer Revenue by Region (2020-2025) & (\$ millions)

Table 42. APAC PEM Water Electrolyzer Sales by Type (2020-2025) & (Unit)

Table 43. APAC PEM Water Electrolyzer Sales by Application (2020-2025) & (Unit)

Table 44. Europe PEM Water Electrolyzer Sales by Country (2020-2025) & (Unit)

Table 45. Europe PEM Water Electrolyzer Revenue by Country (2020-2025) & (\$ millions)

Table 46. Europe PEM Water Electrolyzer Sales by Type (2020-2025) & (Unit)

Table 47. Europe PEM Water Electrolyzer Sales by Application (2020-2025) & (Unit)

Table 48. Middle East & Africa PEM Water Electrolyzer Sales by Country (2020-2025) & (Unit)

Table 49. Middle East & Africa PEM Water Electrolyzer Revenue Market Share by Country (2020-2025)

Table 50. Middle East & Africa PEM Water Electrolyzer Sales by Type (2020-2025) & (Unit)

Table 51. Middle East & Africa PEM Water Electrolyzer Sales by Application (2020-2025) & (Unit)
Table 52. Key Market Drivers & Growth Opportunities of PEM Water Electrolyzer
Table 53. Key Market Challenges & Risks of PEM Water Electrolyzer
Table 54. Key Industry Trends of PEM Water Electrolyzer
Table 55. PEM Water Electrolyzer Raw Material
Table 56. Key Suppliers of Raw Materials
Table 57. PEM Water Electrolyzer Distributors List
Table 58. PEM Water Electrolyzer Customer List
Table 59. Global PEM Water Electrolyzer Sales Forecast by Region (2026-2031) & (Unit)
Table 60. Global PEM Water Electrolyzer Revenue Forecast by Region (2026-2031) & (\$ millions)
Table 61. Americas PEM Water Electrolyzer Sales Forecast by Country (2026-2031) & (Unit)
Table 62. Americas PEM Water Electrolyzer Annual Revenue Forecast by Country (2026-2031) & (\$ millions)
Table 63. APAC PEM Water Electrolyzer Sales Forecast by Region (2026-2031) & (Unit)
Table 64. APAC PEM Water Electrolyzer Annual Revenue Forecast by Region (2026-2031) & (\$ millions)
Table 65. Europe PEM Water Electrolyzer Sales Forecast by Country (2026-2031) & (Unit)
Table 66. Europe PEM Water Electrolyzer Revenue Forecast by Country (2026-2031) & (\$ millions)
Table 67. Middle East & Africa PEM Water Electrolyzer Sales Forecast by Country (2026-2031) & (Unit)
Table 68. Middle East & Africa PEM Water Electrolyzer Revenue Forecast by Country (2026-2031) & (\$ millions)
Table 69. Global PEM Water Electrolyzer Sales Forecast by Type (2026-2031) & (Unit)
Table 70. Global PEM Water Electrolyzer Revenue Forecast by Type (2026-2031) & (\$ millions)
Table 71. Global PEM Water Electrolyzer Sales Forecast by Application (2026-2031) & (Unit)
Table 72. Global PEM Water Electrolyzer Revenue Forecast by Application (2026-2031) & (\$ millions)
Table 73. Proton On-Site Basic Information, PEM Water Electrolyzer Manufacturing Base, Sales Area and Its Competitors
Table 74. Proton On-Site PEM Water Electrolyzer Product Portfolios and Specifications

Table 75. Proton On-Site PEM Water Electrolyzer Sales (Unit), Revenue (\$ Million), Price (USD/Unit) and Gross Margin (2020-2025)

Table 76. Proton On-Site Main Business

Table 77. Proton On-Site Latest Developments

Table 78. Cummins Basic Information, PEM Water Electrolyzer Manufacturing Base, Sales Area and Its Competitors

Table 79. Cummins PEM Water Electrolyzer Product Portfolios and Specifications

Table 80. Cummins PEM Water Electrolyzer Sales (Unit), Revenue (\$ Million), Price (USD/Unit) and Gross Margin (2020-2025)

Table 81. Cummins Main Business

Table 82. Cummins Latest Developments

Table 83. Siemens Basic Information, PEM Water Electrolyzer Manufacturing Base, Sales Area and Its Competitors

Table 84. Siemens PEM Water Electrolyzer Product Portfolios and Specifications

Table 85. Siemens PEM Water Electrolyzer Sales (Unit), Revenue (\$ Million), Price (USD/Unit) and Gross Margin (2020-2025)

Table 86. Siemens Main Business

Table 87. Siemens Latest Developments

Table 88. Plug Power Basic Information, PEM Water Electrolyzer Manufacturing Base, Sales Area and Its Competitors

Table 89. Plug Power PEM Water Electrolyzer Product Portfolios and Specifications

Table 90. Plug Power PEM Water Electrolyzer Sales (Unit), Revenue (\$ Million), Price (USD/Unit) and Gross Margin (2020-2025)

Table 91. Plug Power Main Business

Table 92. Plug Power Latest Developments

Table 93. 718th Research Institute of CSIC Basic Information, PEM Water Electrolyzer Manufacturing Base, Sales Area and Its Competitors

Table 94. 718th Research Institute of CSIC PEM Water Electrolyzer Product Portfolios and Specifications

Table 95. 718th Research Institute of CSIC PEM Water Electrolyzer Sales (Unit), Revenue (\$ Million), Price (USD/Unit) and Gross Margin (2020-2025)

Table 96. 718th Research Institute of CSIC Main Business

Table 97. 718th Research Institute of CSIC Latest Developments

Table 98. Sungrow Power Supply Basic Information, PEM Water Electrolyzer Manufacturing Base, Sales Area and Its Competitors

Table 99. Sungrow Power Supply PEM Water Electrolyzer Product Portfolios and Specifications

Table 100. Sungrow Power Supply PEM Water Electrolyzer Sales (Unit), Revenue (\$ Million), Price (USD/Unit) and Gross Margin (2020-2025)

Table 101. Sungrow Power Supply Main Business
Table 102. Sungrow Power Supply Latest Developments
Table 103. Shenzhen Kohodo Hydrogen Energy Basic Information, PEM Water Electrolyzer Manufacturing Base, Sales Area and Its Competitors
Table 104. Shenzhen Kohodo Hydrogen Energy PEM Water Electrolyzer Product Portfolios and Specifications
Table 105. Shenzhen Kohodo Hydrogen Energy PEM Water Electrolyzer Sales (Unit), Revenue (\$ Million), Price (USD/Unit) and Gross Margin (2020-2025)
Table 106. Shenzhen Kohodo Hydrogen Energy Main Business
Table 107. Shenzhen Kohodo Hydrogen Energy Latest Developments
Table 108. Jiangsu Guofu Hydrogen Energy Equipment Basic Information, PEM Water Electrolyzer Manufacturing Base, Sales Area and Its Competitors
Table 109. Jiangsu Guofu Hydrogen Energy Equipment PEM Water Electrolyzer Product Portfolios and Specifications
Table 110. Jiangsu Guofu Hydrogen Energy Equipment PEM Water Electrolyzer Sales (Unit), Revenue (\$ Million), Price (USD/Unit) and Gross Margin (2020-2025)
Table 111. Jiangsu Guofu Hydrogen Energy Equipment Main Business
Table 112. Jiangsu Guofu Hydrogen Energy Equipment Latest Developments
Table 113. Toshiba Basic Information, PEM Water Electrolyzer Manufacturing Base, Sales Area and Its Competitors
Table 114. Toshiba PEM Water Electrolyzer Product Portfolios and Specifications
Table 115. Toshiba PEM Water Electrolyzer Sales (Unit), Revenue (\$ Million), Price (USD/Unit) and Gross Margin (2020-2025)
Table 116. Toshiba Main Business
Table 117. Toshiba Latest Developments
Table 118. Kobelco Eco-Solutions Basic Information, PEM Water Electrolyzer Manufacturing Base, Sales Area and Its Competitors
Table 119. Kobelco Eco-Solutions PEM Water Electrolyzer Product Portfolios and Specifications
Table 120. Kobelco Eco-Solutions PEM Water Electrolyzer Sales (Unit), Revenue (\$ Million), Price (USD/Unit) and Gross Margin (2020-2025)
Table 121. Kobelco Eco-Solutions Main Business
Table 122. Kobelco Eco-Solutions Latest Developments
Table 123. Elogen Basic Information, PEM Water Electrolyzer Manufacturing Base, Sales Area and Its Competitors
Table 124. Elogen PEM Water Electrolyzer Product Portfolios and Specifications
Table 125. Elogen PEM Water Electrolyzer Sales (Unit), Revenue (\$ Million), Price (USD/Unit) and Gross Margin (2020-2025)
Table 126. Elogen Main Business

Table 127. Elogen Latest Developments

Table 128. Shandong Saksay Hydrogen Energy Basic Information, PEM Water Electrolyzer Manufacturing Base, Sales Area and Its Competitors

Table 129. Shandong Saksay Hydrogen Energy PEM Water Electrolyzer Product Portfolios and Specifications

Table 130. Shandong Saksay Hydrogen Energy PEM Water Electrolyzer Sales (Unit), Revenue (\$ Million), Price (USD/Unit) and Gross Margin (2020-2025)

Table 131. Shandong Saksay Hydrogen Energy Main Business

Table 132. Shandong Saksay Hydrogen Energy Latest Developments

Table 133. ITM Power Basic Information, PEM Water Electrolyzer Manufacturing Base, Sales Area and Its Competitors

Table 134. ITM Power PEM Water Electrolyzer Product Portfolios and Specifications

Table 135. ITM Power PEM Water Electrolyzer Sales (Unit), Revenue (\$ Million), Price (USD/Unit) and Gross Margin (2020-2025)

Table 136. ITM Power Main Business

Table 137. ITM Power Latest Developments

Table 138. Elchemtech Basic Information, PEM Water Electrolyzer Manufacturing Base, Sales Area and Its Competitors

Table 139. Elchemtech PEM Water Electrolyzer Product Portfolios and Specifications

Table 140. Elchemtech PEM Water Electrolyzer Sales (Unit), Revenue (\$ Million), Price (USD/Unit) and Gross Margin (2020-2025)

Table 141. Elchemtech Main Business

Table 142. Elchemtech Latest Developments

Table 143. H2B2 Basic Information, PEM Water Electrolyzer Manufacturing Base, Sales Area and Its Competitors

Table 144. H2B2 PEM Water Electrolyzer Product Portfolios and Specifications

Table 145. H2B2 PEM Water Electrolyzer Sales (Unit), Revenue (\$ Million), Price (USD/Unit) and Gross Margin (2020-2025)

Table 146. H2B2 Main Business

Table 147. H2B2 Latest Developments

List Of Figures

LIST OF FIGURES

- Figure 1. Picture of PEM Water Electrolyzer
- Figure 2. PEM Water Electrolyzer Report Years Considered
- Figure 3. Research Objectives
- Figure 4. Research Methodology
- Figure 5. Research Process and Data Source
- Figure 6. Global PEM Water Electrolyzer Sales Growth Rate 2020-2031 (Unit)
- Figure 7. Global PEM Water Electrolyzer Revenue Growth Rate 2020-2031 (\$ millions)
- Figure 8. PEM Water Electrolyzer Sales by Geographic Region (2020, 2024 & 2031) & (\$ millions)
- Figure 9. PEM Water Electrolyzer Sales Market Share by Country/Region (2024)
- Figure 10. PEM Water Electrolyzer Sales Market Share by Country/Region (2020, 2024 & 2031)
- Figure 11. Product Picture of Small Scale Type
- Figure 12. Product Picture of Middle Scale Type
- Figure 13. Product Picture of Large Scale Type
- Figure 14. Global PEM Water Electrolyzer Sales Market Share by Type in 2025
- Figure 15. Global PEM Water Electrolyzer Revenue Market Share by Type (2020-2025)
- Figure 16. PEM Water Electrolyzer Consumed in Hydrogen Refueling Station
- Figure 17. Global PEM Water Electrolyzer Market: Hydrogen Refueling Station (2020-2025) & (Unit)
- Figure 18. PEM Water Electrolyzer Consumed in Public Applications
- Figure 19. Global PEM Water Electrolyzer Market: Public Applications (2020-2025) & (Unit)
- Figure 20. PEM Water Electrolyzer Consumed in Petrochemical Industry
- Figure 21. Global PEM Water Electrolyzer Market: Petrochemical Industry (2020-2025) & (Unit)
- Figure 22. PEM Water Electrolyzer Consumed in Electronics and Semiconductor
- Figure 23. Global PEM Water Electrolyzer Market: Electronics and Semiconductor (2020-2025) & (Unit)
- Figure 24. PEM Water Electrolyzer Consumed in Power to Gas
- Figure 25. Global PEM Water Electrolyzer Market: Power to Gas (2020-2025) & (Unit)
- Figure 26. PEM Water Electrolyzer Consumed in Others
- Figure 27. Global PEM Water Electrolyzer Market: Others (2020-2025) & (Unit)
- Figure 28. Global PEM Water Electrolyzer Sale Market Share by Application (2024)
- Figure 29. Global PEM Water Electrolyzer Revenue Market Share by Application in

2025

Figure 30. PEM Water Electrolyzer Sales by Company in 2025 (Unit)

Figure 31. Global PEM Water Electrolyzer Sales Market Share by Company in 2025

Figure 32. PEM Water Electrolyzer Revenue by Company in 2025 (\$ millions)

Figure 33. Global PEM Water Electrolyzer Revenue Market Share by Company in 2025

Figure 34. Global PEM Water Electrolyzer Sales Market Share by Geographic Region (2020-2025)

Figure 35. Global PEM Water Electrolyzer Revenue Market Share by Geographic Region in 2025

Figure 36. Americas PEM Water Electrolyzer Sales 2020-2025 (Unit)

Figure 37. Americas PEM Water Electrolyzer Revenue 2020-2025 (\$ millions)

Figure 38. APAC PEM Water Electrolyzer Sales 2020-2025 (Unit)

Figure 39. APAC PEM Water Electrolyzer Revenue 2020-2025 (\$ millions)

Figure 40. Europe PEM Water Electrolyzer Sales 2020-2025 (Unit)

Figure 41. Europe PEM Water Electrolyzer Revenue 2020-2025 (\$ millions)

Figure 42. Middle East & Africa PEM Water Electrolyzer Sales 2020-2025 (Unit)

Figure 43. Middle East & Africa PEM Water Electrolyzer Revenue 2020-2025 (\$ millions)

Figure 44. Americas PEM Water Electrolyzer Sales Market Share by Country in 2025

Figure 45. Americas PEM Water Electrolyzer Revenue Market Share by Country (2020-2025)

Figure 46. Americas PEM Water Electrolyzer Sales Market Share by Type (2020-2025)

Figure 47. Americas PEM Water Electrolyzer Sales Market Share by Application (2020-2025)

Figure 48. United States PEM Water Electrolyzer Revenue Growth 2020-2025 (\$ millions)

Figure 49. Canada PEM Water Electrolyzer Revenue Growth 2020-2025 (\$ millions)

Figure 50. Mexico PEM Water Electrolyzer Revenue Growth 2020-2025 (\$ millions)

Figure 51. Brazil PEM Water Electrolyzer Revenue Growth 2020-2025 (\$ millions)

Figure 52. APAC PEM Water Electrolyzer Sales Market Share by Region in 2025

Figure 53. APAC PEM Water Electrolyzer Revenue Market Share by Region (2020-2025)

Figure 54. APAC PEM Water Electrolyzer Sales Market Share by Type (2020-2025)

Figure 55. APAC PEM Water Electrolyzer Sales Market Share by Application (2020-2025)

Figure 56. China PEM Water Electrolyzer Revenue Growth 2020-2025 (\$ millions)

Figure 57. Japan PEM Water Electrolyzer Revenue Growth 2020-2025 (\$ millions)

Figure 58. South Korea PEM Water Electrolyzer Revenue Growth 2020-2025 (\$ millions)

Figure 59. Southeast Asia PEM Water Electrolyzer Revenue Growth 2020-2025 (\$ millions)

Figure 60. India PEM Water Electrolyzer Revenue Growth 2020-2025 (\$ millions)

Figure 61. Australia PEM Water Electrolyzer Revenue Growth 2020-2025 (\$ millions)

Figure 62. China Taiwan PEM Water Electrolyzer Revenue Growth 2020-2025 (\$ millions)

Figure 63. Europe PEM Water Electrolyzer Sales Market Share by Country in 2025

Figure 64. Europe PEM Water Electrolyzer Revenue Market Share by Country (2020-2025)

Figure 65. Europe PEM Water Electrolyzer Sales Market Share by Type (2020-2025)

Figure 66. Europe PEM Water Electrolyzer Sales Market Share by Application (2020-2025)

Figure 67. Germany PEM Water Electrolyzer Revenue Growth 2020-2025 (\$ millions)

Figure 68. France PEM Water Electrolyzer Revenue Growth 2020-2025 (\$ millions)

Figure 69. UK PEM Water Electrolyzer Revenue Growth 2020-2025 (\$ millions)

Figure 70. Italy PEM Water Electrolyzer Revenue Growth 2020-2025 (\$ millions)

Figure 71. Russia PEM Water Electrolyzer Revenue Growth 2020-2025 (\$ millions)

Figure 72. Middle East & Africa PEM Water Electrolyzer Sales Market Share by Country (2020-2025)

Figure 73. Middle East & Africa PEM Water Electrolyzer Sales Market Share by Type (2020-2025)

Figure 74. Middle East & Africa PEM Water Electrolyzer Sales Market Share by Application (2020-2025)

Figure 75. Egypt PEM Water Electrolyzer Revenue Growth 2020-2025 (\$ millions)

Figure 76. South Africa PEM Water Electrolyzer Revenue Growth 2020-2025 (\$ millions)

Figure 77. Israel PEM Water Electrolyzer Revenue Growth 2020-2025 (\$ millions)

Figure 78. Turkey PEM Water Electrolyzer Revenue Growth 2020-2025 (\$ millions)

Figure 79. GCC Countries PEM Water Electrolyzer Revenue Growth 2020-2025 (\$ millions)

Figure 80. Manufacturing Cost Structure Analysis of PEM Water Electrolyzer in 2025

Figure 81. Manufacturing Process Analysis of PEM Water Electrolyzer

Figure 82. Industry Chain Structure of PEM Water Electrolyzer

Figure 83. Channels of Distribution

Figure 84. Global PEM Water Electrolyzer Sales Market Forecast by Region (2026-2031)

Figure 85. Global PEM Water Electrolyzer Revenue Market Share Forecast by Region (2026-2031)

Figure 86. Global PEM Water Electrolyzer Sales Market Share Forecast by Type

(2026-2031)

Figure 87. Global PEM Water Electrolyzer Revenue Market Share Forecast by Type

(2026-2031)

Figure 88. Global PEM Water Electrolyzer Sales Market Share Forecast by Application

(2026-2031)

Figure 89. Global PEM Water Electrolyzer Revenue Market Share Forecast by

Application (2026-2031)

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