

# Global PEM Water Electrolyzers Supply, Demand and Key Producers, 2023-2029

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## Abstracts

The global PEM Water Electrolyzers market size is expected to reach \$ 2083.8 million by 2029, rising at a market growth of 42.9% CAGR during the forecast period (2023-2029).

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.

This report studies the global PEM Water Electrolyzers production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for PEM Water Electrolyzers, and provides market size (US\$ million) and Year-over-Year (YoY) Growth, considering 2022 as the base year. This report explores demand trends and competition, as well as details the characteristics of PEM Water Electrolyzers that contribute to its increasing demand across many markets.

Highlights and key features of the study

Global PEM Water Electrolyzers total production and demand, 2018-2029, (Units)

Global PEM Water Electrolyzers total production value, 2018-2029, (USD Million)

Global PEM Water Electrolyzers production by region & country, production, value, CAGR, 2018-2029, (USD Million) & (Units)

Global PEM Water Electrolyzers consumption by region & country, CAGR, 2018-2029 & (Units)

U.S. VS China: PEM Water Electrolyzers domestic production, consumption, key domestic manufacturers and share

Global PEM Water Electrolyzers production by manufacturer, production, price, value and market share 2018-2023, (USD Million) & (Units)

Global PEM Water Electrolyzers production by Type, production, value, CAGR, 2018-2029, (USD Million) & (Units)

Global PEM Water Electrolyzers production by Application production, value, CAGR, 2018-2029, (USD Million) & (Units)

This reports profiles key players in the global PEM Water Electrolyzers market based on the following parameters – company overview, production, value, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include Proton On-Site, Cummins, Siemens, Toshiba, Kobelco Eco-Solutions, Elogen, Shandong Saksay Hydrogen Energy, ITM Power and Elchemtech, etc.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals, COVID-19 and Russia-Ukraine War Influence.

Stakeholders would have ease in decision-making through various strategy matrices used in analyzing the World PEM Water Electrolyzers market

Detailed Segmentation:

Each section contains quantitative market data including market by value (US\$ Millions), volume (production, consumption) & (Units) and average price (K US\$/Unit) by manufacturer, by Type, and by Application. Data is given for the years 2018-2029 by

year with 2022 as the base year, 2023 as the estimate year, and 2024-2029 as the forecast year.

#### Global PEM Water Electrolyzers Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

#### Global PEM Water Electrolyzers Market, Segmentation by Type

Small Scale Typ

Middle Scale Type

Large Scale Type

#### Global PEM Water Electrolyzers Market, Segmentation by Application

Hydrogen Refueling Station

Laboratory

Petrochemical Industry

Electronics and Semiconductor

Power to Gas

#### Companies Profiled:

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 Answered

1. How big is the global PEM Water Electrolyzers market?
2. What is the demand of the global PEM Water Electrolyzers market?
3. What is the year over year growth of the global PEM Water Electrolyzers market?
4. What is the production and production value of the global PEM Water Electrolyzers

market?

5. Who are the key producers in the global PEM Water Electrolyzers market?

6. What are the growth factors driving the market demand?

## Contents

### 1 SUPPLY SUMMARY

- 1.1 PEM Water Electrolyzers Introduction
- 1.2 World PEM Water Electrolyzers Supply & Forecast
  - 1.2.1 World PEM Water Electrolyzers Production Value (2018 & 2022 & 2029)
  - 1.2.2 World PEM Water Electrolyzers Production (2018-2029)
  - 1.2.3 World PEM Water Electrolyzers Pricing Trends (2018-2029)
- 1.3 World PEM Water Electrolyzers Production by Region (Based on Production Site)
  - 1.3.1 World PEM Water Electrolyzers Production Value by Region (2018-2029)
  - 1.3.2 World PEM Water Electrolyzers Production by Region (2018-2029)
  - 1.3.3 World PEM Water Electrolyzers Average Price by Region (2018-2029)
  - 1.3.4 North America PEM Water Electrolyzers Production (2018-2029)
  - 1.3.5 Europe PEM Water Electrolyzers Production (2018-2029)
  - 1.3.6 China PEM Water Electrolyzers Production (2018-2029)
  - 1.3.7 Japan PEM Water Electrolyzers Production (2018-2029)
  - 1.3.8 South Korea PEM Water Electrolyzers Production (2018-2029)
- 1.4 Market Drivers, Restraints and Trends
  - 1.4.1 PEM Water Electrolyzers Market Drivers
  - 1.4.2 Factors Affecting Demand
  - 1.4.3 PEM Water Electrolyzers Major Market Trends
- 1.5 Influence of COVID-19 and Russia-Ukraine War
  - 1.5.1 Influence of COVID-19
  - 1.5.2 Influence of Russia-Ukraine War

### 2 DEMAND SUMMARY

- 2.1 World PEM Water Electrolyzers Demand (2018-2029)
- 2.2 World PEM Water Electrolyzers Consumption by Region
  - 2.2.1 World PEM Water Electrolyzers Consumption by Region (2018-2023)
  - 2.2.2 World PEM Water Electrolyzers Consumption Forecast by Region (2024-2029)
- 2.3 United States PEM Water Electrolyzers Consumption (2018-2029)
- 2.4 China PEM Water Electrolyzers Consumption (2018-2029)
- 2.5 Europe PEM Water Electrolyzers Consumption (2018-2029)
- 2.6 Japan PEM Water Electrolyzers Consumption (2018-2029)
- 2.7 South Korea PEM Water Electrolyzers Consumption (2018-2029)
- 2.8 ASEAN PEM Water Electrolyzers Consumption (2018-2029)
- 2.9 India PEM Water Electrolyzers Consumption (2018-2029)

### **3 WORLD PEM WATER ELECTROLYZERS MANUFACTURERS COMPETITIVE ANALYSIS**

- 3.1 World PEM Water Electrolyzers Production Value by Manufacturer (2018-2023)
- 3.2 World PEM Water Electrolyzers Production by Manufacturer (2018-2023)
- 3.3 World PEM Water Electrolyzers Average Price by Manufacturer (2018-2023)
- 3.4 PEM Water Electrolyzers Company Evaluation Quadrant
- 3.5 Industry Rank and Concentration Rate (CR)
  - 3.5.1 Global PEM Water Electrolyzers Industry Rank of Major Manufacturers
  - 3.5.2 Global Concentration Ratios (CR4) for PEM Water Electrolyzers in 2022
  - 3.5.3 Global Concentration Ratios (CR8) for PEM Water Electrolyzers in 2022
- 3.6 PEM Water Electrolyzers Market: Overall Company Footprint Analysis
  - 3.6.1 PEM Water Electrolyzers Market: Region Footprint
  - 3.6.2 PEM Water Electrolyzers Market: Company Product Type Footprint
  - 3.6.3 PEM Water Electrolyzers Market: Company Product Application Footprint
- 3.7 Competitive Environment
  - 3.7.1 Historical Structure of the Industry
  - 3.7.2 Barriers of Market Entry
  - 3.7.3 Factors of Competition
- 3.8 New Entrant and Capacity Expansion Plans
- 3.9 Mergers, Acquisition, Agreements, and Collaborations

### **4 UNITED STATES VS CHINA VS REST OF THE WORLD**

- 4.1 United States VS China: PEM Water Electrolyzers Production Value Comparison
  - 4.1.1 United States VS China: PEM Water Electrolyzers Production Value Comparison (2018 & 2022 & 2029)
  - 4.1.2 United States VS China: PEM Water Electrolyzers Production Value Market Share Comparison (2018 & 2022 & 2029)
- 4.2 United States VS China: PEM Water Electrolyzers Production Comparison
  - 4.2.1 United States VS China: PEM Water Electrolyzers Production Comparison (2018 & 2022 & 2029)
  - 4.2.2 United States VS China: PEM Water Electrolyzers Production Market Share Comparison (2018 & 2022 & 2029)
- 4.3 United States VS China: PEM Water Electrolyzers Consumption Comparison
  - 4.3.1 United States VS China: PEM Water Electrolyzers Consumption Comparison (2018 & 2022 & 2029)
  - 4.3.2 United States VS China: PEM Water Electrolyzers Consumption Market Share

Comparison (2018 & 2022 & 2029)

4.4 United States Based PEM Water Electrolyzers Manufacturers and Market Share, 2018-2023

4.4.1 United States Based PEM Water Electrolyzers Manufacturers, Headquarters and Production Site (States, Country)

4.4.2 United States Based Manufacturers PEM Water Electrolyzers Production Value (2018-2023)

4.4.3 United States Based Manufacturers PEM Water Electrolyzers Production (2018-2023)

4.5 China Based PEM Water Electrolyzers Manufacturers and Market Share

4.5.1 China Based PEM Water Electrolyzers Manufacturers, Headquarters and Production Site (Province, Country)

4.5.2 China Based Manufacturers PEM Water Electrolyzers Production Value (2018-2023)

4.5.3 China Based Manufacturers PEM Water Electrolyzers Production (2018-2023)

4.6 Rest of World Based PEM Water Electrolyzers Manufacturers and Market Share, 2018-2023

4.6.1 Rest of World Based PEM Water Electrolyzers Manufacturers, Headquarters and Production Site (State, Country)

4.6.2 Rest of World Based Manufacturers PEM Water Electrolyzers Production Value (2018-2023)

4.6.3 Rest of World Based Manufacturers PEM Water Electrolyzers Production (2018-2023)

## **5 MARKET ANALYSIS BY TYPE**

5.1 World PEM Water Electrolyzers Market Size Overview by Type: 2018 VS 2022 VS 2029

5.2 Segment Introduction by Type

5.2.1 Small Scale Typ

5.2.2 Middle Scale Type

5.2.3 Large Scale Type

5.3 Market Segment by Type

5.3.1 World PEM Water Electrolyzers Production by Type (2018-2029)

5.3.2 World PEM Water Electrolyzers Production Value by Type (2018-2029)

5.3.3 World PEM Water Electrolyzers Average Price by Type (2018-2029)

## **6 MARKET ANALYSIS BY APPLICATION**



6.1 World PEM Water Electrolyzers Market Size Overview by Application: 2018 VS 2022 VS 2029

6.2 Segment Introduction by Application

6.2.1 Hydrogen Refueling Station

6.2.2 Laboratory

6.2.3 Petrochemical Industry

6.2.4 Electronics and Semiconductor

6.2.5 Power to Gas

6.3 Market Segment by Application

6.3.1 World PEM Water Electrolyzers Production by Application (2018-2029)

6.3.2 World PEM Water Electrolyzers Production Value by Application (2018-2029)

6.3.3 World PEM Water Electrolyzers Average Price by Application (2018-2029)

## **7 COMPANY PROFILES**

7.1 Proton On-Site

7.1.1 Proton On-Site Details

7.1.2 Proton On-Site Major Business

7.1.3 Proton On-Site PEM Water Electrolyzers Product and Services

7.1.4 Proton On-Site PEM Water Electrolyzers Production, Price, Value, Gross Margin and Market Share (2018-2023)

7.1.5 Proton On-Site Recent Developments/Updates

7.1.6 Proton On-Site Competitive Strengths & Weaknesses

7.2 Cummins

7.2.1 Cummins Details

7.2.2 Cummins Major Business

7.2.3 Cummins PEM Water Electrolyzers Product and Services

7.2.4 Cummins PEM Water Electrolyzers Production, Price, Value, Gross Margin and Market Share (2018-2023)

7.2.5 Cummins Recent Developments/Updates

7.2.6 Cummins Competitive Strengths & Weaknesses

7.3 Siemens

7.3.1 Siemens Details

7.3.2 Siemens Major Business

7.3.3 Siemens PEM Water Electrolyzers Product and Services

7.3.4 Siemens PEM Water Electrolyzers Production, Price, Value, Gross Margin and Market Share (2018-2023)

7.3.5 Siemens Recent Developments/Updates

7.3.6 Siemens Competitive Strengths & Weaknesses

## 7.4 Toshiba

### 7.4.1 Toshiba Details

### 7.4.2 Toshiba Major Business

### 7.4.3 Toshiba PEM Water Electrolyzers Product and Services

### 7.4.4 Toshiba PEM Water Electrolyzers Production, Price, Value, Gross Margin and Market Share (2018-2023)

### 7.4.5 Toshiba Recent Developments/Updates

### 7.4.6 Toshiba Competitive Strengths & Weaknesses

## 7.5 Kobelco Eco-Solutions

### 7.5.1 Kobelco Eco-Solutions Details

### 7.5.2 Kobelco Eco-Solutions Major Business

### 7.5.3 Kobelco Eco-Solutions PEM Water Electrolyzers Product and Services

### 7.5.4 Kobelco Eco-Solutions PEM Water Electrolyzers Production, Price, Value, Gross Margin and Market Share (2018-2023)

### 7.5.5 Kobelco Eco-Solutions Recent Developments/Updates

### 7.5.6 Kobelco Eco-Solutions Competitive Strengths & Weaknesses

## 7.6 Elogen

### 7.6.1 Elogen Details

### 7.6.2 Elogen Major Business

### 7.6.3 Elogen PEM Water Electrolyzers Product and Services

### 7.6.4 Elogen PEM Water Electrolyzers Production, Price, Value, Gross Margin and Market Share (2018-2023)

### 7.6.5 Elogen Recent Developments/Updates

### 7.6.6 Elogen Competitive Strengths & Weaknesses

## 7.7 Shandong Saksay Hydrogen Energy

### 7.7.1 Shandong Saksay Hydrogen Energy Details

### 7.7.2 Shandong Saksay Hydrogen Energy Major Business

### 7.7.3 Shandong Saksay Hydrogen Energy PEM Water Electrolyzers Product and Services

### 7.7.4 Shandong Saksay Hydrogen Energy PEM Water Electrolyzers Production, Price, Value, Gross Margin and Market Share (2018-2023)

### 7.7.5 Shandong Saksay Hydrogen Energy Recent Developments/Updates

### 7.7.6 Shandong Saksay Hydrogen Energy Competitive Strengths & Weaknesses

## 7.8 ITM Power

### 7.8.1 ITM Power Details

### 7.8.2 ITM Power Major Business

### 7.8.3 ITM Power PEM Water Electrolyzers Product and Services

### 7.8.4 ITM Power PEM Water Electrolyzers Production, Price, Value, Gross Margin and Market Share (2018-2023)

- 7.8.5 ITM Power Recent Developments/Updates
- 7.8.6 ITM Power Competitive Strengths & Weaknesses
- 7.9 Elchemtech
  - 7.9.1 Elchemtech Details
  - 7.9.2 Elchemtech Major Business
  - 7.9.3 Elchemtech PEM Water Electrolyzers Product and Services
  - 7.9.4 Elchemtech PEM Water Electrolyzers Production, Price, Value, Gross Margin and Market Share (2018-2023)
  - 7.9.5 Elchemtech Recent Developments/Updates
  - 7.9.6 Elchemtech Competitive Strengths & Weaknesses
- 7.10 718th Research Institute of CSIC
  - 7.10.1 718th Research Institute of CSIC Details
  - 7.10.2 718th Research Institute of CSIC Major Business
  - 7.10.3 718th Research Institute of CSIC PEM Water Electrolyzers Product and Services
  - 7.10.4 718th Research Institute of CSIC PEM Water Electrolyzers Production, Price, Value, Gross Margin and Market Share (2018-2023)
  - 7.10.5 718th Research Institute of CSIC Recent Developments/Updates
  - 7.10.6 718th Research Institute of CSIC Competitive Strengths & Weaknesses
- 7.11 H2B2
  - 7.11.1 H2B2 Details
  - 7.11.2 H2B2 Major Business
  - 7.11.3 H2B2 PEM Water Electrolyzers Product and Services
  - 7.11.4 H2B2 PEM Water Electrolyzers Production, Price, Value, Gross Margin and Market Share (2018-2023)
  - 7.11.5 H2B2 Recent Developments/Updates
  - 7.11.6 H2B2 Competitive Strengths & Weaknesses

## **8 INDUSTRY CHAIN ANALYSIS**

- 8.1 PEM Water Electrolyzers Industry Chain
- 8.2 PEM Water Electrolyzers Upstream Analysis
  - 8.2.1 PEM Water Electrolyzers Core Raw Materials
  - 8.2.2 Main Manufacturers of PEM Water Electrolyzers Core Raw Materials
- 8.3 Midstream Analysis
- 8.4 Downstream Analysis
- 8.5 PEM Water Electrolyzers Production Mode
- 8.6 PEM Water Electrolyzers Procurement Model
- 8.7 PEM Water Electrolyzers Industry Sales Model and Sales Channels

8.7.1 PEM Water Electrolyzers Sales Model

8.7.2 PEM Water Electrolyzers Typical Customers

## **9 RESEARCH FINDINGS AND CONCLUSION**

## **10 APPENDIX**

10.1 Methodology

10.2 Research Process and Data Source

10.3 Disclaimer

## List Of Tables

### LIST OF TABLES

Table 1. World PEM Water Electrolyzers Production Value by Region (2018, 2022 and 2029) & (USD Million)

Table 2. World PEM Water Electrolyzers Production Value by Region (2018-2023) & (USD Million)

Table 3. World PEM Water Electrolyzers Production Value by Region (2024-2029) & (USD Million)

Table 4. World PEM Water Electrolyzers Production Value Market Share by Region (2018-2023)

Table 5. World PEM Water Electrolyzers Production Value Market Share by Region (2024-2029)

Table 6. World PEM Water Electrolyzers Production by Region (2018-2023) & (Units)

Table 7. World PEM Water Electrolyzers Production by Region (2024-2029) & (Units)

Table 8. World PEM Water Electrolyzers Production Market Share by Region (2018-2023)

Table 9. World PEM Water Electrolyzers Production Market Share by Region (2024-2029)

Table 10. World PEM Water Electrolyzers Average Price by Region (2018-2023) & (K US\$/Unit)

Table 11. World PEM Water Electrolyzers Average Price by Region (2024-2029) & (K US\$/Unit)

Table 12. PEM Water Electrolyzers Major Market Trends

Table 13. World PEM Water Electrolyzers Consumption Growth Rate Forecast by Region (2018 & 2022 & 2029) & (Units)

Table 14. World PEM Water Electrolyzers Consumption by Region (2018-2023) & (Units)

Table 15. World PEM Water Electrolyzers Consumption Forecast by Region (2024-2029) & (Units)

Table 16. World PEM Water Electrolyzers Production Value by Manufacturer (2018-2023) & (USD Million)

Table 17. Production Value Market Share of Key PEM Water Electrolyzers Producers in 2022

Table 18. World PEM Water Electrolyzers Production by Manufacturer (2018-2023) & (Units)

Table 19. Production Market Share of Key PEM Water Electrolyzers Producers in 2022

Table 20. World PEM Water Electrolyzers Average Price by Manufacturer (2018-2023)

& (K US\$/Unit)

Table 21. Global PEM Water Electrolyzers Company Evaluation Quadrant

Table 22. World PEM Water Electrolyzers Industry Rank of Major Manufacturers, Based on Production Value in 2022

Table 23. Head Office and PEM Water Electrolyzers Production Site of Key Manufacturer

Table 24. PEM Water Electrolyzers Market: Company Product Type Footprint

Table 25. PEM Water Electrolyzers Market: Company Product Application Footprint

Table 26. PEM Water Electrolyzers Competitive Factors

Table 27. PEM Water Electrolyzers New Entrant and Capacity Expansion Plans

Table 28. PEM Water Electrolyzers Mergers & Acquisitions Activity

Table 29. United States VS China PEM Water Electrolyzers Production Value Comparison, (2018 & 2022 & 2029) & (USD Million)

Table 30. United States VS China PEM Water Electrolyzers Production Comparison, (2018 & 2022 & 2029) & (Units)

Table 31. United States VS China PEM Water Electrolyzers Consumption Comparison, (2018 & 2022 & 2029) & (Units)

Table 32. United States Based PEM Water Electrolyzers Manufacturers, Headquarters and Production Site (States, Country)

Table 33. United States Based Manufacturers PEM Water Electrolyzers Production Value, (2018-2023) & (USD Million)

Table 34. United States Based Manufacturers PEM Water Electrolyzers Production Value Market Share (2018-2023)

Table 35. United States Based Manufacturers PEM Water Electrolyzers Production (2018-2023) & (Units)

Table 36. United States Based Manufacturers PEM Water Electrolyzers Production Market Share (2018-2023)

Table 37. China Based PEM Water Electrolyzers Manufacturers, Headquarters and Production Site (Province, Country)

Table 38. China Based Manufacturers PEM Water Electrolyzers Production Value, (2018-2023) & (USD Million)

Table 39. China Based Manufacturers PEM Water Electrolyzers Production Value Market Share (2018-2023)

Table 40. China Based Manufacturers PEM Water Electrolyzers Production (2018-2023) & (Units)

Table 41. China Based Manufacturers PEM Water Electrolyzers Production Market Share (2018-2023)

Table 42. Rest of World Based PEM Water Electrolyzers Manufacturers, Headquarters and Production Site (States, Country)

Table 43. Rest of World Based Manufacturers PEM Water Electrolyzers Production Value, (2018-2023) & (USD Million)

Table 44. Rest of World Based Manufacturers PEM Water Electrolyzers Production Value Market Share (2018-2023)

Table 45. Rest of World Based Manufacturers PEM Water Electrolyzers Production (2018-2023) & (Units)

Table 46. Rest of World Based Manufacturers PEM Water Electrolyzers Production Market Share (2018-2023)

Table 47. World PEM Water Electrolyzers Production Value by Type, (USD Million), 2018 & 2022 & 2029

Table 48. World PEM Water Electrolyzers Production by Type (2018-2023) & (Units)

Table 49. World PEM Water Electrolyzers Production by Type (2024-2029) & (Units)

Table 50. World PEM Water Electrolyzers Production Value by Type (2018-2023) & (USD Million)

Table 51. World PEM Water Electrolyzers Production Value by Type (2024-2029) & (USD Million)

Table 52. World PEM Water Electrolyzers Average Price by Type (2018-2023) & (K US\$/Unit)

Table 53. World PEM Water Electrolyzers Average Price by Type (2024-2029) & (K US\$/Unit)

Table 54. World PEM Water Electrolyzers Production Value by Application, (USD Million), 2018 & 2022 & 2029

Table 55. World PEM Water Electrolyzers Production by Application (2018-2023) & (Units)

Table 56. World PEM Water Electrolyzers Production by Application (2024-2029) & (Units)

Table 57. World PEM Water Electrolyzers Production Value by Application (2018-2023) & (USD Million)

Table 58. World PEM Water Electrolyzers Production Value by Application (2024-2029) & (USD Million)

Table 59. World PEM Water Electrolyzers Average Price by Application (2018-2023) & (K US\$/Unit)

Table 60. World PEM Water Electrolyzers Average Price by Application (2024-2029) & (K US\$/Unit)

Table 61. Proton On-Site Basic Information, Manufacturing Base and Competitors

Table 62. Proton On-Site Major Business

Table 63. Proton On-Site PEM Water Electrolyzers Product and Services

Table 64. Proton On-Site PEM Water Electrolyzers Production (Units), Price (K US\$/Unit), Production Value (USD Million), Gross Margin and Market Share

(2018-2023)

Table 65. Proton On-Site Recent Developments/Updates

Table 66. Proton On-Site Competitive Strengths & Weaknesses

Table 67. Cummins Basic Information, Manufacturing Base and Competitors

Table 68. Cummins Major Business

Table 69. Cummins PEM Water Electrolyzers Product and Services

Table 70. Cummins PEM Water Electrolyzers Production (Units), Price (K US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2018-2023)

Table 71. Cummins Recent Developments/Updates

Table 72. Cummins Competitive Strengths & Weaknesses

Table 73. Siemens Basic Information, Manufacturing Base and Competitors

Table 74. Siemens Major Business

Table 75. Siemens PEM Water Electrolyzers Product and Services

Table 76. Siemens PEM Water Electrolyzers Production (Units), Price (K US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2018-2023)

Table 77. Siemens Recent Developments/Updates

Table 78. Siemens Competitive Strengths & Weaknesses

Table 79. Toshiba Basic Information, Manufacturing Base and Competitors

Table 80. Toshiba Major Business

Table 81. Toshiba PEM Water Electrolyzers Product and Services

Table 82. Toshiba PEM Water Electrolyzers Production (Units), Price (K US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2018-2023)

Table 83. Toshiba Recent Developments/Updates

Table 84. Toshiba Competitive Strengths & Weaknesses

Table 85. Kobelco Eco-Solutions Basic Information, Manufacturing Base and Competitors

Table 86. Kobelco Eco-Solutions Major Business

Table 87. Kobelco Eco-Solutions PEM Water Electrolyzers Product and Services

Table 88. Kobelco Eco-Solutions PEM Water Electrolyzers Production (Units), Price (K US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2018-2023)

Table 89. Kobelco Eco-Solutions Recent Developments/Updates

Table 90. Kobelco Eco-Solutions Competitive Strengths & Weaknesses

Table 91. Elogen Basic Information, Manufacturing Base and Competitors

Table 92. Elogen Major Business

Table 93. Elogen PEM Water Electrolyzers Product and Services

Table 94. Elogen PEM Water Electrolyzers Production (Units), Price (K US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2018-2023)

Table 95. Elogen Recent Developments/Updates



- Table 96. Elogen Competitive Strengths & Weaknesses
- Table 97. Shandong Saksay Hydrogen Energy Basic Information, Manufacturing Base and Competitors
- Table 98. Shandong Saksay Hydrogen Energy Major Business
- Table 99. Shandong Saksay Hydrogen Energy PEM Water Electrolyzers Product and Services
- Table 100. Shandong Saksay Hydrogen Energy PEM Water Electrolyzers Production (Units), Price (K US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2018-2023)
- Table 101. Shandong Saksay Hydrogen Energy Recent Developments/Updates
- Table 102. Shandong Saksay Hydrogen Energy Competitive Strengths & Weaknesses
- Table 103. ITM Power Basic Information, Manufacturing Base and Competitors
- Table 104. ITM Power Major Business
- Table 105. ITM Power PEM Water Electrolyzers Product and Services
- Table 106. ITM Power PEM Water Electrolyzers Production (Units), Price (K US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2018-2023)
- Table 107. ITM Power Recent Developments/Updates
- Table 108. ITM Power Competitive Strengths & Weaknesses
- Table 109. Elchemtech Basic Information, Manufacturing Base and Competitors
- Table 110. Elchemtech Major Business
- Table 111. Elchemtech PEM Water Electrolyzers Product and Services
- Table 112. Elchemtech PEM Water Electrolyzers Production (Units), Price (K US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2018-2023)
- Table 113. Elchemtech Recent Developments/Updates
- Table 114. Elchemtech Competitive Strengths & Weaknesses
- Table 115. 718th Research Institute of CSIC Basic Information, Manufacturing Base and Competitors
- Table 116. 718th Research Institute of CSIC Major Business
- Table 117. 718th Research Institute of CSIC PEM Water Electrolyzers Product and Services
- Table 118. 718th Research Institute of CSIC PEM Water Electrolyzers Production (Units), Price (K US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2018-2023)
- Table 119. 718th Research Institute of CSIC Recent Developments/Updates
- Table 120. H2B2 Basic Information, Manufacturing Base and Competitors
- Table 121. H2B2 Major Business
- Table 122. H2B2 PEM Water Electrolyzers Product and Services
- Table 123. H2B2 PEM Water Electrolyzers Production (Units), Price (K US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2018-2023)

Table 124. Global Key Players of PEM Water Electrolyzers Upstream (Raw Materials)

Table 125. PEM Water Electrolyzers Typical Customers

Table 126. PEM Water Electrolyzers Typical Distributors

## List Of Figures

### LIST OF FIGURES

- Figure 1. PEM Water Electrolyzers Picture
- Figure 2. World PEM Water Electrolyzers Production Value: 2018 & 2022 & 2029, (USD Million)
- Figure 3. World PEM Water Electrolyzers Production Value and Forecast (2018-2029) & (USD Million)
- Figure 4. World PEM Water Electrolyzers Production (2018-2029) & (Units)
- Figure 5. World PEM Water Electrolyzers Average Price (2018-2029) & (K US\$/Unit)
- Figure 6. World PEM Water Electrolyzers Production Value Market Share by Region (2018-2029)
- Figure 7. World PEM Water Electrolyzers Production Market Share by Region (2018-2029)
- Figure 8. North America PEM Water Electrolyzers Production (2018-2029) & (Units)
- Figure 9. Europe PEM Water Electrolyzers Production (2018-2029) & (Units)
- Figure 10. China PEM Water Electrolyzers Production (2018-2029) & (Units)
- Figure 11. Japan PEM Water Electrolyzers Production (2018-2029) & (Units)
- Figure 12. South Korea PEM Water Electrolyzers Production (2018-2029) & (Units)
- Figure 13. PEM Water Electrolyzers Market Drivers
- Figure 14. Factors Affecting Demand
- Figure 15. World PEM Water Electrolyzers Consumption (2018-2029) & (Units)
- Figure 16. World PEM Water Electrolyzers Consumption Market Share by Region (2018-2029)
- Figure 17. United States PEM Water Electrolyzers Consumption (2018-2029) & (Units)
- Figure 18. China PEM Water Electrolyzers Consumption (2018-2029) & (Units)
- Figure 19. Europe PEM Water Electrolyzers Consumption (2018-2029) & (Units)
- Figure 20. Japan PEM Water Electrolyzers Consumption (2018-2029) & (Units)
- Figure 21. South Korea PEM Water Electrolyzers Consumption (2018-2029) & (Units)
- Figure 22. ASEAN PEM Water Electrolyzers Consumption (2018-2029) & (Units)
- Figure 23. India PEM Water Electrolyzers Consumption (2018-2029) & (Units)
- Figure 24. Producer Shipments of PEM Water Electrolyzers by Manufacturer Revenue (\$MM) and Market Share (%): 2022
- Figure 25. Global Four-firm Concentration Ratios (CR4) for PEM Water Electrolyzers Markets in 2022
- Figure 26. Global Four-firm Concentration Ratios (CR8) for PEM Water Electrolyzers Markets in 2022
- Figure 27. United States VS China: PEM Water Electrolyzers Production Value Market

Share Comparison (2018 & 2022 & 2029)

Figure 28. United States VS China: PEM Water Electrolyzers Production Market Share Comparison (2018 & 2022 & 2029)

Figure 29. United States VS China: PEM Water Electrolyzers Consumption Market Share Comparison (2018 & 2022 & 2029)

Figure 30. United States Based Manufacturers PEM Water Electrolyzers Production Market Share 2022

Figure 31. China Based Manufacturers PEM Water Electrolyzers Production Market Share 2022

Figure 32. Rest of World Based Manufacturers PEM Water Electrolyzers Production Market Share 2022

Figure 33. World PEM Water Electrolyzers Production Value by Type, (USD Million), 2018 & 2022 & 2029

Figure 34. World PEM Water Electrolyzers Production Value Market Share by Type in 2022

Figure 35. Small Scale Typ

Figure 36. Middle Scale Type

Figure 37. Large Scale Type

Figure 38. World PEM Water Electrolyzers Production Market Share by Type (2018-2029)

Figure 39. World PEM Water Electrolyzers Production Value Market Share by Type (2018-2029)

Figure 40. World PEM Water Electrolyzers Average Price by Type (2018-2029) & (K US\$/Unit)

Figure 41. World PEM Water Electrolyzers Production Value by Application, (USD Million), 2018 & 2022 & 2029

Figure 42. World PEM Water Electrolyzers Production Value Market Share by Application in 2022

Figure 43. Hydrogen Refueling Station

Figure 44. Laboratory

Figure 45. Petrochemical Industry

Figure 46. Electronics and Semiconductor

Figure 47. Power to Gas

Figure 48. World PEM Water Electrolyzers Production Market Share by Application (2018-2029)

Figure 49. World PEM Water Electrolyzers Production Value Market Share by Application (2018-2029)

Figure 50. World PEM Water Electrolyzers Average Price by Application (2018-2029) & (K US\$/Unit)

Figure 51. PEM Water Electrolyzers Industry Chain

Figure 52. PEM Water Electrolyzers Procurement Model

Figure 53. PEM Water Electrolyzers Sales Model

Figure 54. PEM Water Electrolyzers Sales Channels, Direct Sales, and Distribution

Figure 55. Methodology

Figure 56. Research Process and Data Source

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