

# Global Proton Exchange Membrane Electroliser Market Growth 2022-2028

https://marketpublishers.com/r/G5B7CB42D6B8EN.html

Date: November 2022

Pages: 92

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

ID: G5B7CB42D6B8EN

# **Abstracts**

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

The global market for Proton Exchange Membrane Electroliser is estimated to increase from US\$ million in 2021 to reach US\$ million by 2028, exhibiting a CAGR of % during 2022-2028. Keeping in mind the uncertainties of COVID-19 and Russia-Ukraine War, we are continuously tracking and evaluating the direct as well as the indirect influence of the pandemic on different end use sectors. These insights are included in the report as a major market contributor.

The APAC Proton Exchange Membrane Electroliser market is expected at value of US\$ million in 2022 and grow at approximately % CAGR during 2022 and 2028.

The United States Proton Exchange Membrane Electroliser market is expected at value of US\$ million in 2022 and grow at approximately % CAGR during 2022 and 2028.

The Europe Proton Exchange Membrane Electroliser market is expected at value of US\$ million in 2022 and grow at approximately % CAGR during 2022 and 2028.

The China Proton Exchange Membrane Electroliser market is expected at value of US\$ million in 2022 and grow at approximately % CAGR during 2022 and 2028.

Global key Proton Exchange Membrane Electroliser players cover Proton On-Site, Hydrogenics, Siemens, Areva H2ge and Toshiba, etc. In terms of revenue, the global largest two companies occupy a share nearly % in 2021.

Report Coverage



This latest report provides a deep insight into the global Proton Exchange Membrane Electroliser market covering all its essential aspects. This ranges from a macro overview of the market to micro details of the market size, competitive landscape, development trend, niche market, key market drivers and challenges, value chain analysis, etc.

This report aims to provide a comprehensive picture of the global Proton Exchange Membrane Electroliser market, with both quantitative and qualitative data, to help readers understand how the Proton Exchange Membrane Electroliser market scenario changed across the globe during the pandemic and Russia-Ukraine War.

The base year considered for analyses is 2021, while the market estimates and forecasts are given from 2022 to 2028. The market estimates are provided in terms of revenue in USD millions and volume in Units.

## Market Segmentation:

The study segments the Proton Exchange Membrane Electroliser market and forecasts the market size by Type (Small Scale Type, Middle Scale Type and Large Scale Type), by Application (Steel Plant, Electronics and Photovoltaics, Industrial Gases and Energy Storage or Fueling for FCEV's), and region (APAC, Americas, Europe, and Middle East & Africa).

Segmentation by type

Small Scale Type

Middle Scale Type

Large Scale Type

Segmentation by application

Steel Plant

**Electronics and Photovoltaics** 



Industr	ial Gases
Energy	Storage or Fueling for FCEV's
Power	to Gas
Others	
Segmentation	by region
Americ	as
	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	
Major companies covered	
Proton On-Site	
Hydrogenics	
Siemens	
Areva H2ge	
Toshiba	
Kobelco Eco-Solutions	
ITM Power	
Shandong Saksay Hydrogen Energy	



#### Chapter Introduction

Chapter 1: Scope of Proton Exchange Membrane Electroliser, Research Methodology, etc.

Chapter 2: Executive Summary, global Proton Exchange Membrane Electroliser market size (sales and revenue) and CAGR, Proton Exchange Membrane Electroliser market size by region, by type, by application, historical data from 2017 to 2022, and forecast to 2028.

Chapter 3: Proton Exchange Membrane Electroliser sales, revenue, average price, global market share, and industry ranking by company, 2017-2022

Chapter 4: Global Proton Exchange Membrane Electroliser sales and revenue by region and by country. Country specific data and market value analysis for the U.S., Canada, Europe, China, Japan, South Korea, Southeast Asia, India, Latin America and Middle East & Africa.

Chapter 5, 6, 7, 8: Americas, APAC, Europe, Middle East & Africa, sales segment by country, by type, and type.

Chapter 9: Analysis of the current market trends, market forecast, opportunities and economic trends that are affecting the future marketplace

Chapter 10: Manufacturing cost structure analysis

Chapter 11: Sales channel, distributors, and customers

Chapter 12: Global Proton Exchange Membrane Electroliser market size forecast by region, by country, by type, and application.

Chapter 13: Comprehensive company profiles of the leading players, including Proton On-Site, Hydrogenics, Siemens, Areva H2ge, Toshiba, Kobelco Eco-Solutions, ITM Power and Shandong Saksay Hydrogen Energy, etc.

Chapter 14: Research Findings and Conclusion



### **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

#### **2 EXECUTIVE SUMMARY**

- 2.1 World Market Overview
  - 2.1.1 Global Proton Exchange Membrane Electroliser Annual Sales 2017-2028
- 2.1.2 World Current & Future Analysis for Proton Exchange Membrane Electroliser by Geographic Region, 2017, 2022 & 2028
- 2.1.3 World Current & Future Analysis for Proton Exchange Membrane Electroliser by Country/Region, 2017, 2022 & 2028
- 2.2 Proton Exchange Membrane Electroliser Segment by Type
  - 2.2.1 Small Scale Type
  - 2.2.2 Middle Scale Type
  - 2.2.3 Large Scale Type
- 2.3 Proton Exchange Membrane Electroliser Sales by Type
- 2.3.1 Global Proton Exchange Membrane Electroliser Sales Market Share by Type (2017-2022)
- 2.3.2 Global Proton Exchange Membrane Electroliser Revenue and Market Share by Type (2017-2022)
  - 2.3.3 Global Proton Exchange Membrane Electroliser Sale Price by Type (2017-2022)
- 2.4 Proton Exchange Membrane Electroliser Segment by Application
  - 2.4.1 Steel Plant
  - 2.4.2 Electronics and Photovoltaics
  - 2.4.3 Industrial Gases
  - 2.4.4 Energy Storage or Fueling for FCEV's
  - 2.4.5 Power to Gas
  - 2.4.6 Others
- 2.5 Proton Exchange Membrane Electroliser Sales by Application
- 2.5.1 Global Proton Exchange Membrane Electroliser Sale Market Share by



Application (2017-2022)

- 2.5.2 Global Proton Exchange Membrane Electroliser Revenue and Market Share by Application (2017-2022)
- 2.5.3 Global Proton Exchange Membrane Electroliser Sale Price by Application (2017-2022)

#### 3 GLOBAL PROTON EXCHANGE MEMBRANE ELECTROLISER BY COMPANY

- 3.1 Global Proton Exchange Membrane Electroliser Breakdown Data by Company
- 3.1.1 Global Proton Exchange Membrane Electroliser Annual Sales by Company (2020-2022)
- 3.1.2 Global Proton Exchange Membrane Electroliser Sales Market Share by Company (2020-2022)
- 3.2 Global Proton Exchange Membrane Electroliser Annual Revenue by Company (2020-2022)
- 3.2.1 Global Proton Exchange Membrane Electroliser Revenue by Company (2020-2022)
- 3.2.2 Global Proton Exchange Membrane Electroliser Revenue Market Share by Company (2020-2022)
- 3.3 Global Proton Exchange Membrane Electroliser Sale Price by Company
- 3.4 Key Manufacturers Proton Exchange Membrane Electroliser Producing Area Distribution, Sales Area, Product Type
- 3.4.1 Key Manufacturers Proton Exchange Membrane Electroliser Product Location Distribution
- 3.4.2 Players Proton Exchange Membrane Electroliser Products Offered
- 3.5 Market Concentration Rate Analysis
  - 3.5.1 Competition Landscape Analysis
  - 3.5.2 Concentration Ratio (CR3, CR5 and CR10) & (2020-2022)
- 3.6 New Products and Potential Entrants
- 3.7 Mergers & Acquisitions, Expansion

# 4 WORLD HISTORIC REVIEW FOR PROTON EXCHANGE MEMBRANE ELECTROLISER BY GEOGRAPHIC REGION

- 4.1 World Historic Proton Exchange Membrane Electroliser Market Size by Geographic Region (2017-2022)
- 4.1.1 Global Proton Exchange Membrane Electroliser Annual Sales by Geographic Region (2017-2022)
- 4.1.2 Global Proton Exchange Membrane Electroliser Annual Revenue by Geographic



### Region

- 4.2 World Historic Proton Exchange Membrane Electroliser Market Size by Country/Region (2017-2022)
- 4.2.1 Global Proton Exchange Membrane Electroliser Annual Sales by Country/Region (2017-2022)
- 4.2.2 Global Proton Exchange Membrane Electroliser Annual Revenue by Country/Region
- 4.3 Americas Proton Exchange Membrane Electroliser Sales Growth
- 4.4 APAC Proton Exchange Membrane Electroliser Sales Growth
- 4.5 Europe Proton Exchange Membrane Electroliser Sales Growth
- 4.6 Middle East & Africa Proton Exchange Membrane Electroliser Sales Growth

#### **5 AMERICAS**

- 5.1 Americas Proton Exchange Membrane Electroliser Sales by Country
- 5.1.1 Americas Proton Exchange Membrane Electroliser Sales by Country (2017-2022)
- 5.1.2 Americas Proton Exchange Membrane Electroliser Revenue by Country (2017-2022)
- 5.2 Americas Proton Exchange Membrane Electroliser Sales by Type
- 5.3 Americas Proton Exchange Membrane Electroliser Sales by Application
- 5.4 United States
- 5.5 Canada
- 5.6 Mexico
- 5.7 Brazil

#### 6 APAC

- 6.1 APAC Proton Exchange Membrane Electroliser Sales by Region
- 6.1.1 APAC Proton Exchange Membrane Electroliser Sales by Region (2017-2022)
- 6.1.2 APAC Proton Exchange Membrane Electroliser Revenue by Region (2017-2022)
- 6.2 APAC Proton Exchange Membrane Electroliser Sales by Type
- 6.3 APAC Proton Exchange Membrane Electroliser 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 Proton Exchange Membrane Electroliser by Country
- 7.1.1 Europe Proton Exchange Membrane Electroliser Sales by Country (2017-2022)
- 7.1.2 Europe Proton Exchange Membrane Electroliser Revenue by Country (2017-2022)
- 7.2 Europe Proton Exchange Membrane Electroliser Sales by Type
- 7.3 Europe Proton Exchange Membrane Electroliser 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 Proton Exchange Membrane Electroliser by Country
- 8.1.1 Middle East & Africa Proton Exchange Membrane Electroliser Sales by Country (2017-2022)
- 8.1.2 Middle East & Africa Proton Exchange Membrane Electroliser Revenue by Country (2017-2022)
- 8.2 Middle East & Africa Proton Exchange Membrane Electroliser Sales by Type
- 8.3 Middle East & Africa Proton Exchange Membrane Electroliser 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 Proton Exchange Membrane Electroliser
- 10.3 Manufacturing Process Analysis of Proton Exchange Membrane Electroliser
- 10.4 Industry Chain Structure of Proton Exchange Membrane Electroliser

#### 11 MARKETING, DISTRIBUTORS AND CUSTOMER

- 11.1 Sales Channel
  - 11.1.1 Direct Channels
  - 11.1.2 Indirect Channels
- 11.2 Proton Exchange Membrane Electroliser Distributors
- 11.3 Proton Exchange Membrane Electroliser Customer

# 12 WORLD FORECAST REVIEW FOR PROTON EXCHANGE MEMBRANE ELECTROLISER BY GEOGRAPHIC REGION

- 12.1 Global Proton Exchange Membrane Electroliser Market Size Forecast by Region
- 12.1.1 Global Proton Exchange Membrane Electroliser Forecast by Region (2023-2028)
- 12.1.2 Global Proton Exchange Membrane Electroliser Annual Revenue Forecast by Region (2023-2028)
- 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 Proton Exchange Membrane Electroliser Forecast by Type
- 12.7 Global Proton Exchange Membrane Electroliser 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 Proton Exchange Membrane Electroliser Product Offered
- 13.1.3 Proton On-Site Proton Exchange Membrane Electroliser Sales, Revenue, Price and Gross Margin (2020-2022)
  - 13.1.4 Proton On-Site Main Business Overview
  - 13.1.5 Proton On-Site Latest Developments
- 13.2 Hydrogenics
- 13.2.1 Hydrogenics Company Information



- 13.2.2 Hydrogenics Proton Exchange Membrane Electroliser Product Offered
- 13.2.3 Hydrogenics Proton Exchange Membrane Electroliser Sales, Revenue, Price and Gross Margin (2020-2022)
  - 13.2.4 Hydrogenics Main Business Overview
  - 13.2.5 Hydrogenics Latest Developments
- 13.3 Siemens
  - 13.3.1 Siemens Company Information
  - 13.3.2 Siemens Proton Exchange Membrane Electroliser Product Offered
- 13.3.3 Siemens Proton Exchange Membrane Electroliser Sales, Revenue, Price and Gross Margin (2020-2022)
  - 13.3.4 Siemens Main Business Overview
  - 13.3.5 Siemens Latest Developments
- 13.4 Areva H2ge
  - 13.4.1 Areva H2ge Company Information
  - 13.4.2 Areva H2ge Proton Exchange Membrane Electroliser Product Offered
- 13.4.3 Areva H2ge Proton Exchange Membrane Electroliser Sales, Revenue, Price and Gross Margin (2020-2022)
  - 13.4.4 Areva H2ge Main Business Overview
  - 13.4.5 Areva H2ge Latest Developments
- 13.5 Toshiba
  - 13.5.1 Toshiba Company Information
  - 13.5.2 Toshiba Proton Exchange Membrane Electroliser Product Offered
- 13.5.3 Toshiba Proton Exchange Membrane Electroliser Sales, Revenue, Price and Gross Margin (2020-2022)
  - 13.5.4 Toshiba Main Business Overview
  - 13.5.5 Toshiba Latest Developments
- 13.6 Kobelco Eco-Solutions
- 13.6.1 Kobelco Eco-Solutions Company Information
- 13.6.2 Kobelco Eco-Solutions Proton Exchange Membrane Electroliser Product Offered
  - 13.6.3 Kobelco Eco-Solutions Proton Exchange Membrane Electroliser Sales,
- Revenue, Price and Gross Margin (2020-2022)
  - 13.6.4 Kobelco Eco-Solutions Main Business Overview
  - 13.6.5 Kobelco Eco-Solutions Latest Developments
- 13.7 ITM Power
  - 13.7.1 ITM Power Company Information
  - 13.7.2 ITM Power Proton Exchange Membrane Electroliser Product Offered
- 13.7.3 ITM Power Proton Exchange Membrane Electroliser Sales, Revenue, Price and Gross Margin (2020-2022)



- 13.7.4 ITM Power Main Business Overview
- 13.7.5 ITM Power Latest Developments
- 13.8 Shandong Saksay Hydrogen Energy
  - 13.8.1 Shandong Saksay Hydrogen Energy Company Information
- 13.8.2 Shandong Saksay Hydrogen Energy Proton Exchange Membrane Electroliser Product Offered
- 13.8.3 Shandong Saksay Hydrogen Energy Proton Exchange Membrane Electroliser Sales, Revenue, Price and Gross Margin (2020-2022)
  - 13.8.4 Shandong Saksay Hydrogen Energy Main Business Overview
  - 13.8.5 Shandong Saksay Hydrogen Energy Latest Developments

#### 14 RESEARCH FINDINGS AND CONCLUSION



# **List Of Tables**

#### LIST OF TABLES

Table 1. Proton Exchange Membrane Electroliser Annual Sales CAGR by Geographic Region (2017, 2022 & 2028) & (\$ millions)

Table 2. Proton Exchange Membrane Electroliser Annual Sales CAGR by

Country/Region (2017, 2022 & 2028) & (\$ 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 Proton Exchange Membrane Electroliser Sales by Type (2017-2022) & (Units)

Table 7. Global Proton Exchange Membrane Electroliser Sales Market Share by Type (2017-2022)

Table 8. Global Proton Exchange Membrane Electroliser Revenue by Type (2017-2022) & (\$ million)

Table 9. Global Proton Exchange Membrane Electroliser Revenue Market Share by Type (2017-2022)

Table 10. Global Proton Exchange Membrane Electroliser Sale Price by Type (2017-2022) & (US\$/Unit)

Table 11. Global Proton Exchange Membrane Electroliser Sales by Application (2017-2022) & (Units)

Table 12. Global Proton Exchange Membrane Electroliser Sales Market Share by Application (2017-2022)

Table 13. Global Proton Exchange Membrane Electroliser Revenue by Application (2017-2022)

Table 14. Global Proton Exchange Membrane Electroliser Revenue Market Share by Application (2017-2022)

Table 15. Global Proton Exchange Membrane Electroliser Sale Price by Application (2017-2022) & (US\$/Unit)

Table 16. Global Proton Exchange Membrane Electroliser Sales by Company (2020-2022) & (Units)

Table 17. Global Proton Exchange Membrane Electroliser Sales Market Share by Company (2020-2022)

Table 18. Global Proton Exchange Membrane Electroliser Revenue by Company (2020-2022) (\$ Millions)

Table 19. Global Proton Exchange Membrane Electroliser Revenue Market Share by Company (2020-2022)



- Table 20. Global Proton Exchange Membrane Electroliser Sale Price by Company (2020-2022) & (US\$/Unit)
- Table 21. Key Manufacturers Proton Exchange Membrane Electroliser Producing Area Distribution and Sales Area
- Table 22. Players Proton Exchange Membrane Electroliser Products Offered
- Table 23. Proton Exchange Membrane Electroliser Concentration Ratio (CR3, CR5 and CR10) & (2020-2022)
- Table 24. New Products and Potential Entrants
- Table 25. Mergers & Acquisitions, Expansion
- Table 26. Global Proton Exchange Membrane Electroliser Sales by Geographic Region (2017-2022) & (Units)
- Table 27. Global Proton Exchange Membrane Electroliser Sales Market Share Geographic Region (2017-2022)
- Table 28. Global Proton Exchange Membrane Electroliser Revenue by Geographic Region (2017-2022) & (\$ millions)
- Table 29. Global Proton Exchange Membrane Electroliser Revenue Market Share by Geographic Region (2017-2022)
- Table 30. Global Proton Exchange Membrane Electroliser Sales by Country/Region (2017-2022) & (Units)
- Table 31. Global Proton Exchange Membrane Electroliser Sales Market Share by Country/Region (2017-2022)
- Table 32. Global Proton Exchange Membrane Electroliser Revenue by Country/Region (2017-2022) & (\$ millions)
- Table 33. Global Proton Exchange Membrane Electroliser Revenue Market Share by Country/Region (2017-2022)
- Table 34. Americas Proton Exchange Membrane Electroliser Sales by Country (2017-2022) & (Units)
- Table 35. Americas Proton Exchange Membrane Electroliser Sales Market Share by Country (2017-2022)
- Table 36. Americas Proton Exchange Membrane Electroliser Revenue by Country (2017-2022) & (\$ Millions)
- Table 37. Americas Proton Exchange Membrane Electroliser Revenue Market Share by Country (2017-2022)
- Table 38. Americas Proton Exchange Membrane Electroliser Sales by Type (2017-2022) & (Units)
- Table 39. Americas Proton Exchange Membrane Electroliser Sales Market Share by Type (2017-2022)
- Table 40. Americas Proton Exchange Membrane Electroliser Sales by Application (2017-2022) & (Units)



- Table 41. Americas Proton Exchange Membrane Electroliser Sales Market Share by Application (2017-2022)
- Table 42. APAC Proton Exchange Membrane Electroliser Sales by Region (2017-2022) & (Units)
- Table 43. APAC Proton Exchange Membrane Electroliser Sales Market Share by Region (2017-2022)
- Table 44. APAC Proton Exchange Membrane Electroliser Revenue by Region (2017-2022) & (\$ Millions)
- Table 45. APAC Proton Exchange Membrane Electroliser Revenue Market Share by Region (2017-2022)
- Table 46. APAC Proton Exchange Membrane Electroliser Sales by Type (2017-2022) & (Units)
- Table 47. APAC Proton Exchange Membrane Electroliser Sales Market Share by Type (2017-2022)
- Table 48. APAC Proton Exchange Membrane Electroliser Sales by Application (2017-2022) & (Units)
- Table 49. APAC Proton Exchange Membrane Electroliser Sales Market Share by Application (2017-2022)
- Table 50. Europe Proton Exchange Membrane Electroliser Sales by Country (2017-2022) & (Units)
- Table 51. Europe Proton Exchange Membrane Electroliser Sales Market Share by Country (2017-2022)
- Table 52. Europe Proton Exchange Membrane Electroliser Revenue by Country (2017-2022) & (\$ Millions)
- Table 53. Europe Proton Exchange Membrane Electroliser Revenue Market Share by Country (2017-2022)
- Table 54. Europe Proton Exchange Membrane Electroliser Sales by Type (2017-2022) & (Units)
- Table 55. Europe Proton Exchange Membrane Electroliser Sales Market Share by Type (2017-2022)
- Table 56. Europe Proton Exchange Membrane Electroliser Sales by Application (2017-2022) & (Units)
- Table 57. Europe Proton Exchange Membrane Electroliser Sales Market Share by Application (2017-2022)
- Table 58. Middle East & Africa Proton Exchange Membrane Electroliser Sales by Country (2017-2022) & (Units)
- Table 59. Middle East & Africa Proton Exchange Membrane Electroliser Sales Market Share by Country (2017-2022)
- Table 60. Middle East & Africa Proton Exchange Membrane Electroliser Revenue by



Country (2017-2022) & (\$ Millions)

Table 61. Middle East & Africa Proton Exchange Membrane Electroliser Revenue Market Share by Country (2017-2022)

Table 62. Middle East & Africa Proton Exchange Membrane Electroliser Sales by Type (2017-2022) & (Units)

Table 63. Middle East & Africa Proton Exchange Membrane Electroliser Sales Market Share by Type (2017-2022)

Table 64. Middle East & Africa Proton Exchange Membrane Electroliser Sales by Application (2017-2022) & (Units)

Table 65. Middle East & Africa Proton Exchange Membrane Electroliser Sales Market Share by Application (2017-2022)

Table 66. Key Market Drivers & Growth Opportunities of Proton Exchange Membrane Electroliser

Table 67. Key Market Challenges & Risks of Proton Exchange Membrane Electroliser

Table 68. Key Industry Trends of Proton Exchange Membrane Electroliser

Table 69. Proton Exchange Membrane Electroliser Raw Material

Table 70. Key Suppliers of Raw Materials

Table 71. Proton Exchange Membrane Electroliser Distributors List

Table 72. Proton Exchange Membrane Electroliser Customer List

Table 73. Global Proton Exchange Membrane Electroliser Sales Forecast by Region (2023-2028) & (Units)

Table 74. Global Proton Exchange Membrane Electroliser Sales Market Forecast by Region

Table 75. Global Proton Exchange Membrane Electroliser Revenue Forecast by Region (2023-2028) & (\$ millions)

Table 76. Global Proton Exchange Membrane Electroliser Revenue Market Share Forecast by Region (2023-2028)

Table 77. Americas Proton Exchange Membrane Electroliser Sales Forecast by Country (2023-2028) & (Units)

Table 78. Americas Proton Exchange Membrane Electroliser Revenue Forecast by Country (2023-2028) & (\$ millions)

Table 79. APAC Proton Exchange Membrane Electroliser Sales Forecast by Region (2023-2028) & (Units)

Table 80. APAC Proton Exchange Membrane Electroliser Revenue Forecast by Region (2023-2028) & (\$ millions)

Table 81. Europe Proton Exchange Membrane Electroliser Sales Forecast by Country (2023-2028) & (Units)

Table 82. Europe Proton Exchange Membrane Electroliser Revenue Forecast by Country (2023-2028) & (\$ millions)



Table 83. Middle East & Africa Proton Exchange Membrane Electroliser Sales Forecast by Country (2023-2028) & (Units)

Table 84. Middle East & Africa Proton Exchange Membrane Electroliser Revenue Forecast by Country (2023-2028) & (\$ millions)

Table 85. Global Proton Exchange Membrane Electroliser Sales Forecast by Type (2023-2028) & (Units)

Table 86. Global Proton Exchange Membrane Electroliser Sales Market Share Forecast by Type (2023-2028)

Table 87. Global Proton Exchange Membrane Electroliser Revenue Forecast by Type (2023-2028) & (\$ Millions)

Table 88. Global Proton Exchange Membrane Electroliser Revenue Market Share Forecast by Type (2023-2028)

Table 89. Global Proton Exchange Membrane Electroliser Sales Forecast by Application (2023-2028) & (Units)

Table 90. Global Proton Exchange Membrane Electroliser Sales Market Share Forecast by Application (2023-2028)

Table 91. Global Proton Exchange Membrane Electroliser Revenue Forecast by Application (2023-2028) & (\$ Millions)

Table 92. Global Proton Exchange Membrane Electroliser Revenue Market Share Forecast by Application (2023-2028)

Table 93. Proton On-Site Basic Information, Proton Exchange Membrane Electroliser Manufacturing Base, Sales Area and Its Competitors

Table 94. Proton On-Site Proton Exchange Membrane Electroliser Product Offered

Table 95. Proton On-Site Proton Exchange Membrane Electroliser Sales (Units),

Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2020-2022)

Table 96. Proton On-Site Main Business

Table 97. Proton On-Site Latest Developments

Table 98. Hydrogenics Basic Information, Proton Exchange Membrane Electroliser Manufacturing Base, Sales Area and Its Competitors

Table 99. Hydrogenics Proton Exchange Membrane Electroliser Product Offered

Table 100. Hydrogenics Proton Exchange Membrane Electroliser Sales (Units),

Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2020-2022)

Table 101. Hydrogenics Main Business

Table 102. Hydrogenics Latest Developments

Table 103. Siemens Basic Information, Proton Exchange Membrane Electroliser Manufacturing Base, Sales Area and Its Competitors

Table 104. Siemens Proton Exchange Membrane Electroliser Product Offered

Table 105. Siemens Proton Exchange Membrane Electroliser Sales (Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2020-2022)



- Table 106. Siemens Main Business
- Table 107. Siemens Latest Developments
- Table 108. Areva H2ge Basic Information, Proton Exchange Membrane Electroliser Manufacturing Base, Sales Area and Its Competitors
- Table 109. Areva H2ge Proton Exchange Membrane Electroliser Product Offered
- Table 110. Areva H2ge Proton Exchange Membrane Electroliser Sales (Units),
- Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2020-2022)
- Table 111. Areva H2ge Main Business
- Table 112. Areva H2ge Latest Developments
- Table 113. Toshiba Basic Information, Proton Exchange Membrane Electroliser Manufacturing Base, Sales Area and Its Competitors
- Table 114. Toshiba Proton Exchange Membrane Electroliser Product Offered
- Table 115. Toshiba Proton Exchange Membrane Electroliser Sales (Units), Revenue (\$
- Million), Price (US\$/Unit) and Gross Margin (2020-2022)
- Table 116. Toshiba Main Business
- Table 117. Toshiba Latest Developments
- Table 118. Kobelco Eco-Solutions Basic Information, Proton Exchange Membrane Electroliser Manufacturing Base, Sales Area and Its Competitors
- Table 119. Kobelco Eco-Solutions Proton Exchange Membrane Electroliser Product Offered
- Table 120. Kobelco Eco-Solutions Proton Exchange Membrane Electroliser Sales
- (Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2020-2022) Table 121. Kobelco Eco-Solutions Main Business
- Table 122. Kobelco Eco-Solutions Latest Developments
- Table 123. ITM Power Basic Information, Proton Exchange Membrane Electroliser Manufacturing Base, Sales Area and Its Competitors
- Table 124. ITM Power Proton Exchange Membrane Electroliser Product Offered
- Table 125. ITM Power Proton Exchange Membrane Electroliser Sales (Units), Revenue
- (\$ Million), Price (US\$/Unit) and Gross Margin (2020-2022)
- Table 126. ITM Power Main Business
- Table 127. ITM Power Latest Developments
- Table 128. Shandong Saksay Hydrogen Energy Basic Information, Proton Exchange
- Membrane Electroliser Manufacturing Base, Sales Area and Its Competitors
- Table 129. Shandong Saksay Hydrogen Energy Proton Exchange Membrane Electroliser Product Offered
- Table 130. Shandong Saksay Hydrogen Energy Proton Exchange Membrane Electroliser Sales (Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2020-2022)
- Table 131. Shandong Saksay Hydrogen Energy Main Business



Table 132. Shandong Saksay Hydrogen Energy Latest Developments



# **List Of Figures**

#### LIST OF FIGURES

- Figure 1. Picture of Proton Exchange Membrane Electroliser
- Figure 2. Proton Exchange Membrane Electroliser Report Years Considered
- Figure 3. Research Objectives
- Figure 4. Research Methodology
- Figure 5. Research Process and Data Source
- Figure 6. Global Proton Exchange Membrane Electroliser Sales Growth Rate 2017-2028 (Units)
- Figure 7. Global Proton Exchange Membrane Electroliser Revenue Growth Rate 2017-2028 (\$ Millions)
- Figure 8. Proton Exchange Membrane Electroliser Sales by Region (2021 & 2028) & (\$ 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 Proton Exchange Membrane Electroliser Sales Market Share by Type in 2021
- Figure 13. Global Proton Exchange Membrane Electroliser Revenue Market Share by Type (2017-2022)
- Figure 14. Proton Exchange Membrane Electroliser Consumed in Steel Plant
- Figure 15. Global Proton Exchange Membrane Electroliser Market: Steel Plant (2017-2022) & (Units)
- Figure 16. Proton Exchange Membrane Electroliser Consumed in Electronics and Photovoltaics
- Figure 17. Global Proton Exchange Membrane Electroliser Market: Electronics and Photovoltaics (2017-2022) & (Units)
- Figure 18. Proton Exchange Membrane Electroliser Consumed in Industrial Gases
- Figure 19. Global Proton Exchange Membrane Electroliser Market: Industrial Gases (2017-2022) & (Units)
- Figure 20. Proton Exchange Membrane Electroliser Consumed in Energy Storage or Fueling for FCEV's
- Figure 21. Global Proton Exchange Membrane Electroliser Market: Energy Storage or Fueling for FCEV's (2017-2022) & (Units)
- Figure 22. Proton Exchange Membrane Electroliser Consumed in Power to Gas
- Figure 23. Global Proton Exchange Membrane Electroliser Market: Power to Gas (2017-2022) & (Units)



- Figure 24. Proton Exchange Membrane Electroliser Consumed in Others
- Figure 25. Global Proton Exchange Membrane Electroliser Market: Others (2017-2022) & (Units)
- Figure 26. Global Proton Exchange Membrane Electroliser Sales Market Share by Application (2017-2022)
- Figure 27. Global Proton Exchange Membrane Electroliser Revenue Market Share by Application in 2021
- Figure 28. Proton Exchange Membrane Electroliser Revenue Market by Company in 2021 (\$ Million)
- Figure 29. Global Proton Exchange Membrane Electroliser Revenue Market Share by Company in 2021
- Figure 30. Global Proton Exchange Membrane Electroliser Sales Market Share by Geographic Region (2017-2022)
- Figure 31. Global Proton Exchange Membrane Electroliser Revenue Market Share by Geographic Region in 2021
- Figure 32. Global Proton Exchange Membrane Electroliser Sales Market Share by Region (2017-2022)
- Figure 33. Global Proton Exchange Membrane Electroliser Revenue Market Share by Country/Region in 2021
- Figure 34. Americas Proton Exchange Membrane Electroliser Sales 2017-2022 (Units)
- Figure 35. Americas Proton Exchange Membrane Electroliser Revenue 2017-2022 (\$ Millions)
- Figure 36. APAC Proton Exchange Membrane Electroliser Sales 2017-2022 (Units)
- Figure 37. APAC Proton Exchange Membrane Electroliser Revenue 2017-2022 (\$ Millions)
- Figure 38. Europe Proton Exchange Membrane Electroliser Sales 2017-2022 (Units)
- Figure 39. Europe Proton Exchange Membrane Electroliser Revenue 2017-2022 (\$ Millions)
- Figure 40. Middle East & Africa Proton Exchange Membrane Electroliser Sales 2017-2022 (Units)
- Figure 41. Middle East & Africa Proton Exchange Membrane Electroliser Revenue 2017-2022 (\$ Millions)
- Figure 42. Americas Proton Exchange Membrane Electroliser Sales Market Share by Country in 2021
- Figure 43. Americas Proton Exchange Membrane Electroliser Revenue Market Share by Country in 2021
- Figure 44. United States Proton Exchange Membrane Electroliser Revenue Growth 2017-2022 (\$ Millions)
- Figure 45. Canada Proton Exchange Membrane Electroliser Revenue Growth



2017-2022 (\$ Millions)

Figure 46. Mexico Proton Exchange Membrane Electroliser Revenue Growth 2017-2022 (\$ Millions)

Figure 47. Brazil Proton Exchange Membrane Electroliser Revenue Growth 2017-2022 (\$ Millions)

Figure 48. APAC Proton Exchange Membrane Electroliser Sales Market Share by Region in 2021

Figure 49. APAC Proton Exchange Membrane Electroliser Revenue Market Share by Regions in 2021

Figure 50. China Proton Exchange Membrane Electroliser Revenue Growth 2017-2022 (\$ Millions)

Figure 51. Japan Proton Exchange Membrane Electroliser Revenue Growth 2017-2022 (\$ Millions)

Figure 52. South Korea Proton Exchange Membrane Electroliser Revenue Growth 2017-2022 (\$ Millions)

Figure 53. Southeast Asia Proton Exchange Membrane Electroliser Revenue Growth 2017-2022 (\$ Millions)

Figure 54. India Proton Exchange Membrane Electroliser Revenue Growth 2017-2022 (\$ Millions)

Figure 55. Australia Proton Exchange Membrane Electroliser Revenue Growth 2017-2022 (\$ Millions)

Figure 56. Europe Proton Exchange Membrane Electroliser Sales Market Share by Country in 2021

Figure 57. Europe Proton Exchange Membrane Electroliser Revenue Market Share by Country in 2021

Figure 58. Germany Proton Exchange Membrane Electroliser Revenue Growth 2017-2022 (\$ Millions)

Figure 59. France Proton Exchange Membrane Electroliser Revenue Growth 2017-2022 (\$ Millions)

Figure 60. UK Proton Exchange Membrane Electroliser Revenue Growth 2017-2022 (\$ Millions)

Figure 61. Italy Proton Exchange Membrane Electroliser Revenue Growth 2017-2022 (\$ Millions)

Figure 62. Russia Proton Exchange Membrane Electroliser Revenue Growth 2017-2022 (\$ Millions)

Figure 63. Middle East & Africa Proton Exchange Membrane Electroliser Sales Market Share by Country in 2021

Figure 64. Middle East & Africa Proton Exchange Membrane Electroliser Revenue Market Share by Country in 2021



Figure 65. Egypt Proton Exchange Membrane Electroliser Revenue Growth 2017-2022 (\$ Millions)

Figure 66. South Africa Proton Exchange Membrane Electroliser Revenue Growth 2017-2022 (\$ Millions)

Figure 67. Israel Proton Exchange Membrane Electroliser Revenue Growth 2017-2022 (\$ Millions)

Figure 68. Turkey Proton Exchange Membrane Electroliser Revenue Growth 2017-2022 (\$ Millions)

Figure 69. GCC Country Proton Exchange Membrane Electroliser Revenue Growth 2017-2022 (\$ Millions)

Figure 70. Manufacturing Cost Structure Analysis of Proton Exchange Membrane Electroliser in 2021

Figure 71. Manufacturing Process Analysis of Proton Exchange Membrane Electroliser

Figure 72. Industry Chain Structure of Proton Exchange Membrane Electroliser

Figure 73. Channels of Distribution

Figure 74. Distributors Profiles



#### I would like to order

Product name: Global Proton Exchange Membrane Electroliser Market Growth 2022-2028

Product link: https://marketpublishers.com/r/G5B7CB42D6B8EN.html

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

If you want to order Corporate License or Hard Copy, please, contact our Customer

Service:

info@marketpublishers.com

# **Payment**

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <a href="https://marketpublishers.com/r/G5B7CB42D6B8EN.html">https://marketpublishers.com/r/G5B7CB42D6B8EN.html</a>

To pay by Wire Transfer, please, fill in your contact details in the form below:

First name:	
Last name:	
Email:	
Company:	
Address:	
City:	
Zip code:	
Country:	
Tel:	
Fax:	
Your message:	
	**All fields are required
	Custumer signature

Please, note that by ordering from marketpublishers.com you are agreeing to our Terms & Conditions at <a href="https://marketpublishers.com/docs/terms.html">https://marketpublishers.com/docs/terms.html</a>

To place an order via fax simply print this form, fill in the information below and fax the completed form to +44 20 7900 3970