

Global Megawatt-Class PEM Electrolyzer Market 2025 by Manufacturers, Regions, Type and Application, Forecast to 2031

<https://marketpublishers.com/r/GD32EE183866EN.html>

Date: September 2025

Pages: 118

Price: US\$ 3,132.00 (Single User License)

ID: GD32EE183866EN

Abstracts

According to our (Global Info Research) latest study, the global Megawatt-Class PEM Electrolyzer market size was valued at US\$ 150 million in 2024 and is forecast to a readjusted size of USD 1707 million by 2031 with a CAGR of 41.7% during review period.

A megawatt-class PEM (Proton Exchange Membrane) electrolyzer is a large - scale device used for water electrolysis to produce hydrogen and oxygen. It is capable of operating at a power level of megawatts (MW), typically with a hydrogen production capacity in a significant amount due to its high - power operation.

This report is a detailed and comprehensive analysis for global Megawatt-Class PEM Electrolyzer market. Both quantitative and qualitative analyses are presented by manufacturers, by region & country, by Type and by Application. As the market is constantly changing, this report explores the competition, supply and demand trends, as well as key factors that contribute to its changing demands across many markets. Company profiles and product examples of selected competitors, along with market share estimates of some of the selected leaders for the year 2025, are provided.

Key Features:

Global Megawatt-Class PEM Electrolyzer market size and forecasts, in consumption value (\$ Million), sales quantity (Units), and average selling prices (K US\$/Unit), 2020-2031

Global Megawatt-Class PEM Electrolyzer market size and forecasts by region and country, in consumption value (\$ Million), sales quantity (Units), and average selling prices (K US\$/Unit), 2020-2031

Global Megawatt-Class PEM Electrolyzer market size and forecasts, by Type and by Application, in consumption value (\$ Million), sales quantity (Units), and average selling prices (K US\$/Unit), 2020-2031

Global Megawatt-Class PEM Electrolyzer market shares of main players, shipments in revenue (\$ Million), sales quantity (Units), and ASP (K US\$/Unit), 2020-2025

The Primary Objectives in This Report Are:

To determine the size of the total market opportunity of global and key countries

To assess the growth potential for Megawatt-Class PEM Electrolyzer

To forecast future growth in each product and end-use market

To assess competitive factors affecting the marketplace

This report profiles key players in the global Megawatt-Class PEM Electrolyzer market based on the following parameters - company overview, sales quantity, revenue, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include NEL Hydrogen, Cummins, Siemens, ITM Power, Shandong Saksay Hydrogen Energy, Elogen, Quest One, Elchemtech, Plug Power Inc., GreenH Electrolysis, etc.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals.

Market Segmentation

Megawatt-Class PEM Electrolyzer market is split by Type and by Application. For the period 2020-2031, the growth among segments provides accurate calculations and forecasts for consumption value by Type, and by Application in terms of volume and value. This analysis can help you expand your business by targeting qualified niche markets.

Market segment by Type

5MW

Market segment by Application

Hydrogen Station

Petrochemicals

Others

Major players covered

NEL Hydrogen

Cummins

Siemens

ITM Power

Shandong Saksay Hydrogen Energy

Elogen

Quest One

Elchemtech

Plug Power Inc.

GreenH Electrolysis

Changchun Lvdong Hydrogen Energy Technology

Sunshine Hydrogen Technology

BriHyNergy

Market segment by region, regional analysis covers

North America (United States, Canada, and Mexico)

Europe (Germany, France, United Kingdom, Russia, Italy, and Rest of Europe)

Asia-Pacific (China, Japan, Korea, India, Southeast Asia, and Australia)

South America (Brazil, Argentina, Colombia, and Rest of South America)

Middle East & Africa (Saudi Arabia, UAE, Egypt, South Africa, and Rest of Middle East & Africa)

The content of the study subjects, includes a total of 15 chapters:

Chapter 1, to describe Megawatt-Class PEM Electrolyzer product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Megawatt-Class PEM Electrolyzer, with price, sales quantity, revenue, and global market share of Megawatt-Class PEM Electrolyzer from 2020 to 2025.

Chapter 3, the Megawatt-Class PEM Electrolyzer competitive situation, sales quantity, revenue, and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the Megawatt-Class PEM Electrolyzer breakdown data are shown at the regional level, to show the sales quantity, consumption value, and growth by regions, from 2020 to 2031.

Chapter 5 and 6, to segment the sales by Type and by Application, with sales market share and growth rate by Type, by Application, from 2020 to 2031.

Chapter 7, 8, 9, 10 and 11, to break the sales data at the country level, with sales quantity, consumption value, and market share for key countries in the world, from 2020 to 2025. and Megawatt-Class PEM Electrolyzer market forecast, by regions, by Type, and by Application, with sales and revenue, from 2026 to 2031.

Chapter 12, market dynamics, drivers, restraints, trends, and Porters Five Forces analysis.

Chapter 13, the key raw materials and key suppliers, and industry chain of Megawatt-Class PEM Electrolyzer.

Chapter 14 and 15, to describe Megawatt-Class PEM Electrolyzer sales channel, distributors, customers, research findings and conclusion.

Contents

1 MARKET OVERVIEW

1.1 Product Overview and Scope

1.2 Market Estimation Caveats and Base Year

1.3 Market Analysis by Type

1.3.1 Overview: Global Megawatt-Class PEM Electrolyzer Consumption Value by Type: 2020 Versus 2024 Versus 2031

1.3.2 5MW

1.4 Market Analysis by Application

1.4.1 Overview: Global Megawatt-Class PEM Electrolyzer Consumption Value by Application: 2020 Versus 2024 Versus 2031

1.4.2 Hydrogen Station

1.4.3 Petrochemicals

1.4.4 Others

1.5 Global Megawatt-Class PEM Electrolyzer Market Size & Forecast

1.5.1 Global Megawatt-Class PEM Electrolyzer Consumption Value (2020 & 2024 & 2031)

1.5.2 Global Megawatt-Class PEM Electrolyzer Sales Quantity (2020-2031)

1.5.3 Global Megawatt-Class PEM Electrolyzer Average Price (2020-2031)

2 MANUFACTURERS PROFILES

2.1 NEL Hydrogen

2.1.1 NEL Hydrogen Details

2.1.2 NEL Hydrogen Major Business

2.1.3 NEL Hydrogen Megawatt-Class PEM Electrolyzer Product and Services

2.1.4 NEL Hydrogen Megawatt-Class PEM Electrolyzer Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)

2.1.5 NEL Hydrogen Recent Developments/Updates

2.2 Cummins

2.2.1 Cummins Details

2.2.2 Cummins Major Business

2.2.3 Cummins Megawatt-Class PEM Electrolyzer Product and Services

2.2.4 Cummins Megawatt-Class PEM Electrolyzer Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)

2.2.5 Cummins Recent Developments/Updates

2.3 Siemens

- 2.3.1 Siemens Details
- 2.3.2 Siemens Major Business
- 2.3.3 Siemens Megawatt-Class PEM Electrolyzer Product and Services
- 2.3.4 Siemens Megawatt-Class PEM Electrolyzer Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)
- 2.3.5 Siemens Recent Developments/Updates
- 2.4 ITM Power
 - 2.4.1 ITM Power Details
 - 2.4.2 ITM Power Major Business
 - 2.4.3 ITM Power Megawatt-Class PEM Electrolyzer Product and Services
 - 2.4.4 ITM Power Megawatt-Class PEM Electrolyzer Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)
 - 2.4.5 ITM Power Recent Developments/Updates
- 2.5 Shandong Saksay Hydrogen Energy
 - 2.5.1 Shandong Saksay Hydrogen Energy Details
 - 2.5.2 Shandong Saksay Hydrogen Energy Major Business
 - 2.5.3 Shandong Saksay Hydrogen Energy Megawatt-Class PEM Electrolyzer Product and Services
 - 2.5.4 Shandong Saksay Hydrogen Energy Megawatt-Class PEM Electrolyzer Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)
 - 2.5.5 Shandong Saksay Hydrogen Energy Recent Developments/Updates
- 2.6 Elogen
 - 2.6.1 Elogen Details
 - 2.6.2 Elogen Major Business
 - 2.6.3 Elogen Megawatt-Class PEM Electrolyzer Product and Services
 - 2.6.4 Elogen Megawatt-Class PEM Electrolyzer Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)
 - 2.6.5 Elogen Recent Developments/Updates
- 2.7 Quest One
 - 2.7.1 Quest One Details
 - 2.7.2 Quest One Major Business
 - 2.7.3 Quest One Megawatt-Class PEM Electrolyzer Product and Services
 - 2.7.4 Quest One Megawatt-Class PEM Electrolyzer Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)
 - 2.7.5 Quest One Recent Developments/Updates
- 2.8 Elchemtech
 - 2.8.1 Elchemtech Details
 - 2.8.2 Elchemtech Major Business
 - 2.8.3 Elchemtech Megawatt-Class PEM Electrolyzer Product and Services

2.8.4 Elchemtech Megawatt-Class PEM Electrolyzer Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)

2.8.5 Elchemtech Recent Developments/Updates

2.9 Plug Power Inc.

2.9.1 Plug Power Inc. Details

2.9.2 Plug Power Inc. Major Business

2.9.3 Plug Power Inc. Megawatt-Class PEM Electrolyzer Product and Services

2.9.4 Plug Power Inc. Megawatt-Class PEM Electrolyzer Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)

2.9.5 Plug Power Inc. Recent Developments/Updates

2.10 GreenH Electrolysis

2.10.1 GreenH Electrolysis Details

2.10.2 GreenH Electrolysis Major Business

2.10.3 GreenH Electrolysis Megawatt-Class PEM Electrolyzer Product and Services

2.10.4 GreenH Electrolysis Megawatt-Class PEM Electrolyzer Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)

2.10.5 GreenH Electrolysis Recent Developments/Updates

2.11 Changchun Lvdong Hydrogen Energy Technology

2.11.1 Changchun Lvdong Hydrogen Energy Technology Details

2.11.2 Changchun Lvdong Hydrogen Energy Technology Major Business

2.11.3 Changchun Lvdong Hydrogen Energy Technology Megawatt-Class PEM Electrolyzer Product and Services

2.11.4 Changchun Lvdong Hydrogen Energy Technology Megawatt-Class PEM Electrolyzer Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)

2.11.5 Changchun Lvdong Hydrogen Energy Technology Recent Developments/Updates

2.12 Sunshine Hydrogen Technology

2.12.1 Sunshine Hydrogen Technology Details

2.12.2 Sunshine Hydrogen Technology Major Business

2.12.3 Sunshine Hydrogen Technology Megawatt-Class PEM Electrolyzer Product and Services

2.12.4 Sunshine Hydrogen Technology Megawatt-Class PEM Electrolyzer Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)

2.12.5 Sunshine Hydrogen Technology Recent Developments/Updates

2.13 BriHyNergy

2.13.1 BriHyNergy Details

2.13.2 BriHyNergy Major Business

2.13.3 BriHyNergy Megawatt-Class PEM Electrolyzer Product and Services

2.13.4 BriHyNergy Megawatt-Class PEM Electrolyzer Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)

2.13.5 BriHyNergy Recent Developments/Updates

3 COMPETITIVE ENVIRONMENT: MEGAWATT-CLASS PEM ELECTROLYZER BY MANUFACTURER

3.1 Global Megawatt-Class PEM Electrolyzer Sales Quantity by Manufacturer (2020-2025)

3.2 Global Megawatt-Class PEM Electrolyzer Revenue by Manufacturer (2020-2025)

3.3 Global Megawatt-Class PEM Electrolyzer Average Price by Manufacturer (2020-2025)

3.4 Market Share Analysis (2024)

3.4.1 Producer Shipments of Megawatt-Class PEM Electrolyzer by Manufacturer Revenue (\$MM) and Market Share (%): 2024

3.4.2 Top 3 Megawatt-Class PEM Electrolyzer Manufacturer Market Share in 2024

3.4.3 Top 6 Megawatt-Class PEM Electrolyzer Manufacturer Market Share in 2024

3.5 Megawatt-Class PEM Electrolyzer Market: Overall Company Footprint Analysis

3.5.1 Megawatt-Class PEM Electrolyzer Market: Region Footprint

3.5.2 Megawatt-Class PEM Electrolyzer Market: Company Product Type Footprint

3.5.3 Megawatt-Class PEM Electrolyzer Market: Company Product Application Footprint

3.6 New Market Entrants and Barriers to Market Entry

3.7 Mergers, Acquisition, Agreements, and Collaborations

4 CONSUMPTION ANALYSIS BY REGION

4.1 Global Megawatt-Class PEM Electrolyzer Market Size by Region

4.1.1 Global Megawatt-Class PEM Electrolyzer Sales Quantity by Region (2020-2031)

4.1.2 Global Megawatt-Class PEM Electrolyzer Consumption Value by Region (2020-2031)

4.1.3 Global Megawatt-Class PEM Electrolyzer Average Price by Region (2020-2031)

4.2 North America Megawatt-Class PEM Electrolyzer Consumption Value (2020-2031)

4.3 Europe Megawatt-Class PEM Electrolyzer Consumption Value (2020-2031)

4.4 Asia-Pacific Megawatt-Class PEM Electrolyzer Consumption Value (2020-2031)

4.5 South America Megawatt-Class PEM Electrolyzer Consumption Value (2020-2031)

4.6 Middle East & Africa Megawatt-Class PEM Electrolyzer Consumption Value (2020-2031)

5 MARKET SEGMENT BY TYPE

- 5.1 Global Megawatt-Class PEM Electrolyzer Sales Quantity by Type (2020-2031)
- 5.2 Global Megawatt-Class PEM Electrolyzer Consumption Value by Type (2020-2031)
- 5.3 Global Megawatt-Class PEM Electrolyzer Average Price by Type (2020-2031)

6 MARKET SEGMENT BY APPLICATION

- 6.1 Global Megawatt-Class PEM Electrolyzer Sales Quantity by Application (2020-2031)
- 6.2 Global Megawatt-Class PEM Electrolyzer Consumption Value by Application (2020-2031)
- 6.3 Global Megawatt-Class PEM Electrolyzer Average Price by Application (2020-2031)

7 NORTH AMERICA

- 7.1 North America Megawatt-Class PEM Electrolyzer Sales Quantity by Type (2020-2031)
- 7.2 North America Megawatt-Class PEM Electrolyzer Sales Quantity by Application (2020-2031)
- 7.3 North America Megawatt-Class PEM Electrolyzer Market Size by Country
 - 7.3.1 North America Megawatt-Class PEM Electrolyzer Sales Quantity by Country (2020-2031)
 - 7.3.2 North America Megawatt-Class PEM Electrolyzer Consumption Value by Country (2020-2031)
 - 7.3.3 United States Market Size and Forecast (2020-2031)
 - 7.3.4 Canada Market Size and Forecast (2020-2031)
 - 7.3.5 Mexico Market Size and Forecast (2020-2031)

8 EUROPE

- 8.1 Europe Megawatt-Class PEM Electrolyzer Sales Quantity by Type (2020-2031)
- 8.2 Europe Megawatt-Class PEM Electrolyzer Sales Quantity by Application (2020-2031)
- 8.3 Europe Megawatt-Class PEM Electrolyzer Market Size by Country
 - 8.3.1 Europe Megawatt-Class PEM Electrolyzer Sales Quantity by Country (2020-2031)
 - 8.3.2 Europe Megawatt-Class PEM Electrolyzer Consumption Value by Country (2020-2031)
 - 8.3.3 Germany Market Size and Forecast (2020-2031)

- 8.3.4 France Market Size and Forecast (2020-2031)
- 8.3.5 United Kingdom Market Size and Forecast (2020-2031)
- 8.3.6 Russia Market Size and Forecast (2020-2031)
- 8.3.7 Italy Market Size and Forecast (2020-2031)

9 ASIA-PACIFIC

- 9.1 Asia-Pacific Megawatt-Class PEM Electrolyzer Sales Quantity by Type (2020-2031)
- 9.2 Asia-Pacific Megawatt-Class PEM Electrolyzer Sales Quantity by Application (2020-2031)
- 9.3 Asia-Pacific Megawatt-Class PEM Electrolyzer Market Size by Region
 - 9.3.1 Asia-Pacific Megawatt-Class PEM Electrolyzer Sales Quantity by Region (2020-2031)
 - 9.3.2 Asia-Pacific Megawatt-Class PEM Electrolyzer Consumption Value by Region (2020-2031)
 - 9.3.3 China Market Size and Forecast (2020-2031)
 - 9.3.4 Japan Market Size and Forecast (2020-2031)
 - 9.3.5 South Korea Market Size and Forecast (2020-2031)
 - 9.3.6 India Market Size and Forecast (2020-2031)
 - 9.3.7 Southeast Asia Market Size and Forecast (2020-2031)
 - 9.3.8 Australia Market Size and Forecast (2020-2031)

10 SOUTH AMERICA

- 10.1 South America Megawatt-Class PEM Electrolyzer Sales Quantity by Type (2020-2031)
- 10.2 South America Megawatt-Class PEM Electrolyzer Sales Quantity by Application (2020-2031)
- 10.3 South America Megawatt-Class PEM Electrolyzer Market Size by Country
 - 10.3.1 South America Megawatt-Class PEM Electrolyzer Sales Quantity by Country (2020-2031)
 - 10.3.2 South America Megawatt-Class PEM Electrolyzer Consumption Value by Country (2020-2031)
 - 10.3.3 Brazil Market Size and Forecast (2020-2031)
 - 10.3.4 Argentina Market Size and Forecast (2020-2031)

11 MIDDLE EAST & AFRICA

- 11.1 Middle East & Africa Megawatt-Class PEM Electrolyzer Sales Quantity by Type

(2020-2031)

11.2 Middle East & Africa Megawatt-Class PEM Electrolyzer Sales Quantity by Application (2020-2031)

11.3 Middle East & Africa Megawatt-Class PEM Electrolyzer Market Size by Country

11.3.1 Middle East & Africa Megawatt-Class PEM Electrolyzer Sales Quantity by Country (2020-2031)

11.3.2 Middle East & Africa Megawatt-Class PEM Electrolyzer Consumption Value by Country (2020-2031)

11.3.3 Turkey Market Size and Forecast (2020-2031)

11.3.4 Egypt Market Size and Forecast (2020-2031)

11.3.5 Saudi Arabia Market Size and Forecast (2020-2031)

11.3.6 South Africa Market Size and Forecast (2020-2031)

12 MARKET DYNAMICS

12.1 Megawatt-Class PEM Electrolyzer Market Drivers

12.2 Megawatt-Class PEM Electrolyzer Market Restraints

12.3 Megawatt-Class PEM Electrolyzer Trends Analysis

12.4 Porters Five Forces Analysis

12.4.1 Threat of New Entrants

12.4.2 Bargaining Power of Suppliers

12.4.3 Bargaining Power of Buyers

12.4.4 Threat of Substitutes

12.4.5 Competitive Rivalry

13 RAW MATERIAL AND INDUSTRY CHAIN

13.1 Raw Material of Megawatt-Class PEM Electrolyzer and Key Manufacturers

13.2 Manufacturing Costs Percentage of Megawatt-Class PEM Electrolyzer

13.3 Megawatt-Class PEM Electrolyzer Production Process

13.4 Industry Value Chain Analysis

14 SHIPMENTS BY DISTRIBUTION CHANNEL

14.1 Sales Channel

14.1.1 Direct to End-User

14.1.2 Distributors

14.2 Megawatt-Class PEM Electrolyzer Typical Distributors

14.3 Megawatt-Class PEM Electrolyzer Typical Customers

15 RESEARCH FINDINGS AND CONCLUSION

16 APPENDIX

16.1 Methodology

16.2 Research Process and Data Source

16.3 Disclaimer

List Of Figures

LIST OF FIGURES

Table 1. Global Megawatt-Class PEM Electrolyzer Consumption Value by Type, (USD Million), 2020 & 2024 & 2031

Table 2. Global Megawatt-Class PEM Electrolyzer Consumption Value by Application, (USD Million), 2020 & 2024 & 2031

Table 3. NEL Hydrogen Basic Information, Manufacturing Base and Competitors

Table 4. NEL Hydrogen Major Business

Table 5. NEL Hydrogen Megawatt-Class PEM Electrolyzer Product and Services

Table 6. NEL Hydrogen Megawatt-Class PEM Electrolyzer Sales Quantity (Units), Average Price (K US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2020-2025)

Table 7. NEL Hydrogen Recent Developments/Updates

Table 8. Cummins Basic Information, Manufacturing Base and Competitors

Table 9. Cummins Major Business

Table 10. Cummins Megawatt-Class PEM Electrolyzer Product and Services

Table 11. Cummins Megawatt-Class PEM Electrolyzer Sales Quantity (Units), Average Price (K US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2020-2025)

Table 12. Cummins Recent Developments/Updates

Table 13. Siemens Basic Information, Manufacturing Base and Competitors

Table 14. Siemens Major Business

Table 15. Siemens Megawatt-Class PEM Electrolyzer Product and Services

Table 16. Siemens Megawatt-Class PEM Electrolyzer Sales Quantity (Units), Average Price (K US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2020-2025)

Table 17. Siemens Recent Developments/Updates

Table 18. ITM Power Basic Information, Manufacturing Base and Competitors

Table 19. ITM Power Major Business

Table 20. ITM Power Megawatt-Class PEM Electrolyzer Product and Services

Table 21. ITM Power Megawatt-Class PEM Electrolyzer Sales Quantity (Units), Average Price (K US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2020-2025)

Table 22. ITM Power Recent Developments/Updates

Table 23. Shandong Saksay Hydrogen Energy Basic Information, Manufacturing Base and Competitors

Table 24. Shandong Saksay Hydrogen Energy Major Business

Table 25. Shandong Saksay Hydrogen Energy Megawatt-Class PEM Electrolyzer Product and Services

Table 26. Shandong Saksay Hydrogen Energy Megawatt-Class PEM Electrolyzer Sales Quantity (Units), Average Price (K US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2020-2025)

Table 27. Shandong Saksay Hydrogen Energy Recent Developments/Updates

Table 28. Elogen Basic Information, Manufacturing Base and Competitors

Table 29. Elogen Major Business

Table 30. Elogen Megawatt-Class PEM Electrolyzer Product and Services

Table 31. Elogen Megawatt-Class PEM Electrolyzer Sales Quantity (Units), Average Price (K US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2020-2025)

Table 32. Elogen Recent Developments/Updates

Table 33. Quest One Basic Information, Manufacturing Base and Competitors

Table 34. Quest One Major Business

Table 35. Quest One Megawatt-Class PEM Electrolyzer Product and Services

Table 36. Quest One Megawatt-Class PEM Electrolyzer Sales Quantity (Units), Average Price (K US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2020-2025)

Table 37. Quest One Recent Developments/Updates

Table 38. Elchemtech Basic Information, Manufacturing Base and Competitors

Table 39. Elchemtech Major Business

Table 40. Elchemtech Megawatt-Class PEM Electrolyzer Product and Services

Table 41. Elchemtech Megawatt-Class PEM Electrolyzer Sales Quantity (Units), Average Price (K US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2020-2025)

Table 42. Elchemtech Recent Developments/Updates

Table 43. Plug Power Inc. Basic Information, Manufacturing Base and Competitors

Table 44. Plug Power Inc. Major Business

Table 45. Plug Power Inc. Megawatt-Class PEM Electrolyzer Product and Services

Table 46. Plug Power Inc. Megawatt-Class PEM Electrolyzer Sales Quantity (Units), Average Price (K US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2020-2025)

Table 47. Plug Power Inc. Recent Developments/Updates

Table 48. GreenH Electrolysis Basic Information, Manufacturing Base and Competitors

Table 49. GreenH Electrolysis Major Business

Table 50. GreenH Electrolysis Megawatt-Class PEM Electrolyzer Product and Services

Table 51. GreenH Electrolysis Megawatt-Class PEM Electrolyzer Sales Quantity (Units), Average Price (K US\$/Unit), Revenue (USD Million), Gross Margin and Market Share

(2020-2025)

Table 52. GreenH Electrolysis Recent Developments/Updates

Table 53. Changchun Lvdong Hydrogen Energy Technology Basic Information, Manufacturing Base and Competitors

Table 54. Changchun Lvdong Hydrogen Energy Technology Major Business

Table 55. Changchun Lvdong Hydrogen Energy Technology Megawatt-Class PEM Electrolyzer Product and Services

Table 56. Changchun Lvdong Hydrogen Energy Technology Megawatt-Class PEM Electrolyzer Sales Quantity (Units), Average Price (K US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2020-2025)

Table 57. Changchun Lvdong Hydrogen Energy Technology Recent Developments/Updates

Table 58. Sunshine Hydrogen Technology Basic Information, Manufacturing Base and Competitors

Table 59. Sunshine Hydrogen Technology Major Business

Table 60. Sunshine Hydrogen Technology Megawatt-Class PEM Electrolyzer Product and Services

Table 61. Sunshine Hydrogen Technology Megawatt-Class PEM Electrolyzer Sales Quantity (Units), Average Price (K US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2020-2025)

Table 62. Sunshine Hydrogen Technology Recent Developments/Updates

Table 63. BriHyNergy Basic Information, Manufacturing Base and Competitors

Table 64. BriHyNergy Major Business

Table 65. BriHyNergy Megawatt-Class PEM Electrolyzer Product and Services

Table 66. BriHyNergy Megawatt-Class PEM Electrolyzer Sales Quantity (Units), Average Price (K US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2020-2025)

Table 67. BriHyNergy Recent Developments/Updates

Table 68. Global Megawatt-Class PEM Electrolyzer Sales Quantity by Manufacturer (2020-2025) & (Units)

Table 69. Global Megawatt-Class PEM Electrolyzer Revenue by Manufacturer (2020-2025) & (USD Million)

Table 70. Global Megawatt-Class PEM Electrolyzer Average Price by Manufacturer (2020-2025) & (K US\$/Unit)

Table 71. Market Position of Manufacturers in Megawatt-Class PEM Electrolyzer, (Tier 1, Tier 2, and Tier 3), Based on Revenue in 2024

Table 72. Head Office and Megawatt-Class PEM Electrolyzer Production Site of Key Manufacturer

Table 73. Megawatt-Class PEM Electrolyzer Market: Company Product Type Footprint

Table 74. Megawatt-Class PEM Electrolyzer Market: Company Product Application Footprint

Table 75. Megawatt-Class PEM Electrolyzer New Market Entrants and Barriers to Market Entry

Table 76. Megawatt-Class PEM Electrolyzer Mergers, Acquisition, Agreements, and Collaborations

Table 77. Global Megawatt-Class PEM Electrolyzer Consumption Value by Region (2020-2024-2031) & (USD Million) & CAGR

Table 78. Global Megawatt-Class PEM Electrolyzer Sales Quantity by Region (2020-2025) & (Units)

Table 79. Global Megawatt-Class PEM Electrolyzer Sales Quantity by Region (2026-2031) & (Units)

Table 80. Global Megawatt-Class PEM Electrolyzer Consumption Value by Region (2020-2025) & (USD Million)

Table 81. Global Megawatt-Class PEM Electrolyzer Consumption Value by Region (2026-2031) & (USD Million)

Table 82. Global Megawatt-Class PEM Electrolyzer Average Price by Region (2020-2025) & (K US\$/Unit)

Table 83. Global Megawatt-Class PEM Electrolyzer Average Price by Region (2026-2031) & (K US\$/Unit)

Table 84. Global Megawatt-Class PEM Electrolyzer Sales Quantity by Type (2020-2025) & (Units)

Table 85. Global Megawatt-Class PEM Electrolyzer Sales Quantity by Type (2026-2031) & (Units)

Table 86. Global Megawatt-Class PEM Electrolyzer Consumption Value by Type (2020-2025) & (USD Million)

Table 87. Global Megawatt-Class PEM Electrolyzer Consumption Value by Type (2026-2031) & (USD Million)

Table 88. Global Megawatt-Class PEM Electrolyzer Average Price by Type (2020-2025) & (K US\$/Unit)

Table 89. Global Megawatt-Class PEM Electrolyzer Average Price by Type (2026-2031) & (K US\$/Unit)

Table 90. Global Megawatt-Class PEM Electrolyzer Sales Quantity by Application (2020-2025) & (Units)

Table 91. Global Megawatt-Class PEM Electrolyzer Sales Quantity by Application (2026-2031) & (Units)

Table 92. Global Megawatt-Class PEM Electrolyzer Consumption Value by Application (2020-2025) & (USD Million)

Table 93. Global Megawatt-Class PEM Electrolyzer Consumption Value by Application

(2026-2031) & (USD Million)

Table 94. Global Megawatt-Class PEM Electrolyzer Average Price by Application (2020-2025) & (K US\$/Unit)

Table 95. Global Megawatt-Class PEM Electrolyzer Average Price by Application (2026-2031) & (K US\$/Unit)

Table 96. North America Megawatt-Class PEM Electrolyzer Sales Quantity by Type (2020-2025) & (Units)

Table 97. North America Megawatt-Class PEM Electrolyzer Sales Quantity by Type (2026-2031) & (Units)

Table 98. North America Megawatt-Class PEM Electrolyzer Sales Quantity by Application (2020-2025) & (Units)

Table 99. North America Megawatt-Class PEM Electrolyzer Sales Quantity by Application (2026-2031) & (Units)

Table 100. North America Megawatt-Class PEM Electrolyzer Sales Quantity by Country (2020-2025) & (Units)

Table 101. North America Megawatt-Class PEM Electrolyzer Sales Quantity by Country (2026-2031) & (Units)

Table 102. North America Megawatt-Class PEM Electrolyzer Consumption Value by Country (2020-2025) & (USD Million)

Table 103. North America Megawatt-Class PEM Electrolyzer Consumption Value by Country (2026-2031) & (USD Million)

Table 104. Europe Megawatt-Class PEM Electrolyzer Sales Quantity by Type (2020-2025) & (Units)

Table 105. Europe Megawatt-Class PEM Electrolyzer Sales Quantity by Type (2026-2031) & (Units)

Table 106. Europe Megawatt-Class PEM Electrolyzer Sales Quantity by Application (2020-2025) & (Units)

Table 107. Europe Megawatt-Class PEM Electrolyzer Sales Quantity by Application (2026-2031) & (Units)

Table 108. Europe Megawatt-Class PEM Electrolyzer Sales Quantity by Country (2020-2025) & (Units)

Table 109. Europe Megawatt-Class PEM Electrolyzer Sales Quantity by Country (2026-2031) & (Units)

Table 110. Europe Megawatt-Class PEM Electrolyzer Consumption Value by Country (2020-2025) & (USD Million)

Table 111. Europe Megawatt-Class PEM Electrolyzer Consumption Value by Country (2026-2031) & (USD Million)

Table 112. Asia-Pacific Megawatt-Class PEM Electrolyzer Sales Quantity by Type (2020-2025) & (Units)

Table 113. Asia-Pacific Megawatt-Class PEM Electrolyzer Sales Quantity by Type (2026-2031) & (Units)

Table 114. Asia-Pacific Megawatt-Class PEM Electrolyzer Sales Quantity by Application (2020-2025) & (Units)

Table 115. Asia-Pacific Megawatt-Class PEM Electrolyzer Sales Quantity by Application (2026-2031) & (Units)

Table 116. Asia-Pacific Megawatt-Class PEM Electrolyzer Sales Quantity by Region (2020-2025) & (Units)

Table 117. Asia-Pacific Megawatt-Class PEM Electrolyzer Sales Quantity by Region (2026-2031) & (Units)

Table 118. Asia-Pacific Megawatt-Class PEM Electrolyzer Consumption Value by Region (2020-2025) & (USD Million)

Table 119. Asia-Pacific Megawatt-Class PEM Electrolyzer Consumption Value by Region (2026-2031) & (USD Million)

Table 120. South America Megawatt-Class PEM Electrolyzer Sales Quantity by Type (2020-2025) & (Units)

Table 121. South America Megawatt-Class PEM Electrolyzer Sales Quantity by Type (2026-2031) & (Units)

Table 122. South America Megawatt-Class PEM Electrolyzer Sales Quantity by Application (2020-2025) & (Units)

Table 123. South America Megawatt-Class PEM Electrolyzer Sales Quantity by Application (2026-2031) & (Units)

Table 124. South America Megawatt-Class PEM Electrolyzer Sales Quantity by Country (2020-2025) & (Units)

Table 125. South America Megawatt-Class PEM Electrolyzer Sales Quantity by Country (2026-2031) & (Units)

Table 126. South America Megawatt-Class PEM Electrolyzer Consumption Value by Country (2020-2025) & (USD Million)

Table 127. South America Megawatt-Class PEM Electrolyzer Consumption Value by Country (2026-2031) & (USD Million)

Table 128. Middle East & Africa Megawatt-Class PEM Electrolyzer Sales Quantity by Type (2020-2025) & (Units)

Table 129. Middle East & Africa Megawatt-Class PEM Electrolyzer Sales Quantity by Type (2026-2031) & (Units)

Table 130. Middle East & Africa Megawatt-Class PEM Electrolyzer Sales Quantity by Application (2020-2025) & (Units)

Table 131. Middle East & Africa Megawatt-Class PEM Electrolyzer Sales Quantity by Application (2026-2031) & (Units)

Table 132. Middle East & Africa Megawatt-Class PEM Electrolyzer Sales Quantity by

Country (2020-2025) & (Units)

Table 133. Middle East & Africa Megawatt-Class PEM Electrolyzer Sales Quantity by Country (2026-2031) & (Units)

Table 134. Middle East & Africa Megawatt-Class PEM Electrolyzer Consumption Value by Country (2020-2025) & (USD Million)

Table 135. Middle East & Africa Megawatt-Class PEM Electrolyzer Consumption Value by Country (2026-2031) & (USD Million)

Table 136. Megawatt-Class PEM Electrolyzer Raw Material

Table 137. Key Manufacturers of Megawatt-Class PEM Electrolyzer Raw Materials

Table 138. Megawatt-Class PEM Electrolyzer Typical Distributors

Table 139. Megawatt-Class PEM Electrolyzer Typical Customers

LIST OF FIGURES

Figure 1. Megawatt-Class PEM Electrolyzer Picture

Figure 2. Global Megawatt-Class PEM Electrolyzer Revenue by Type, (USD Million), 2020 & 2024 & 2031

Figure 3. Global Megawatt-Class PEM Electrolyzer Revenue Market Share by Type in 2024

Figure 4. 5MW Examples

Figure 7. Global Megawatt-Class PEM Electrolyzer Consumption Value by Application, (USD Million), 2020 & 2024 & 2031

Figure 8. Global Megawatt-Class PEM Electrolyzer Revenue Market Share by Application in 2024

Figure 9. Hydrogen Station Examples

Figure 10. Petrochemicals Examples

Figure 11. Others Examples

Figure 12. Global Megawatt-Class PEM Electrolyzer Consumption Value, (USD Million): 2020 & 2024 & 2031

Figure 13. Global Megawatt-Class PEM Electrolyzer Consumption Value and Forecast (2020-2031) & (USD Million)

Figure 14. Global Megawatt-Class PEM Electrolyzer Sales Quantity (2020-2031) & (Units)

Figure 15. Global Megawatt-Class PEM Electrolyzer Price (2020-2031) & (K US\$/Unit)

Figure 16. Global Megawatt-Class PEM Electrolyzer Sales Quantity Market Share by Manufacturer in 2024

Figure 17. Global Megawatt-Class PEM Electrolyzer Revenue Market Share by Manufacturer in 2024

Figure 18. Producer Shipments of Megawatt-Class PEM Electrolyzer by Manufacturer

Sales (\$MM) and Market Share (%): 2024

Figure 19. Top 3 Megawatt-Class PEM Electrolyzer Manufacturer (Revenue) Market Share in 2024

Figure 20. Top 6 Megawatt-Class PEM Electrolyzer Manufacturer (Revenue) Market Share in 2024

Figure 21. Global Megawatt-Class PEM Electrolyzer Sales Quantity Market Share by Region (2020-2031)

Figure 22. Global Megawatt-Class PEM Electrolyzer Consumption Value Market Share by Region (2020-2031)

Figure 23. North America Megawatt-Class PEM Electrolyzer Consumption Value (2020-2031) & (USD Million)

Figure 24. Europe Megawatt-Class PEM Electrolyzer Consumption Value (2020-2031) & (USD Million)

Figure 25. Asia-Pacific Megawatt-Class PEM Electrolyzer Consumption Value (2020-2031) & (USD Million)

Figure 26. South America Megawatt-Class PEM Electrolyzer Consumption Value (2020-2031) & (USD Million)

Figure 27. Middle East & Africa Megawatt-Class PEM Electrolyzer Consumption Value (2020-2031) & (USD Million)

Figure 28. Global Megawatt-Class PEM Electrolyzer Sales Quantity Market Share by Type (2020-2031)

Figure 29. Global Megawatt-Class PEM Electrolyzer Consumption Value Market Share by Type (2020-2031)

Figure 30. Global Megawatt-Class PEM Electrolyzer Average Price by Type (2020-2031) & (K US\$/Unit)

Figure 31. Global Megawatt-Class PEM Electrolyzer Sales Quantity Market Share by Application (2020-2031)

Figure 32. Global Megawatt-Class PEM Electrolyzer Revenue Market Share by Application (2020-2031)

Figure 33. Global Megawatt-Class PEM Electrolyzer Average Price by Application (2020-2031) & (K US\$/Unit)

Figure 34. North America Megawatt-Class PEM Electrolyzer Sales Quantity Market Share by Type (2020-2031)

Figure 35. North America Megawatt-Class PEM Electrolyzer Sales Quantity Market Share by Application (2020-2031)

Figure 36. North America Megawatt-Class PEM Electrolyzer Sales Quantity Market Share by Country (2020-2031)

Figure 37. North America Megawatt-Class PEM Electrolyzer Consumption Value Market Share by Country (2020-2031)

Figure 38. United States Megawatt-Class PEM Electrolyzer Consumption Value (2020-2031) & (USD Million)

Figure 39. Canada Megawatt-Class PEM Electrolyzer Consumption Value (2020-2031) & (USD Million)

Figure 40. Mexico Megawatt-Class PEM Electrolyzer Consumption Value (2020-2031) & (USD Million)

Figure 41. Europe Megawatt-Class PEM Electrolyzer Sales Quantity Market Share by Type (2020-2031)

Figure 42. Europe Megawatt-Class PEM Electrolyzer Sales Quantity Market Share by Application (2020-2031)

Figure 43. Europe Megawatt-Class PEM Electrolyzer Sales Quantity Market Share by Country (2020-2031)

Figure 44. Europe Megawatt-Class PEM Electrolyzer Consumption Value Market Share by Country (2020-2031)

Figure 45. Germany Megawatt-Class PEM Electrolyzer Consumption Value (2020-2031) & (USD Million)

Figure 46. France Megawatt-Class PEM Electrolyzer Consumption Value (2020-2031) & (USD Million)

Figure 47. United Kingdom Megawatt-Class PEM Electrolyzer Consumption Value (2020-2031) & (USD Million)

Figure 48. Russia Megawatt-Class PEM Electrolyzer Consumption Value (2020-2031) & (USD Million)

Figure 49. Italy Megawatt-Class PEM Electrolyzer Consumption Value (2020-2031) & (USD Million)

Figure 50. Asia-Pacific Megawatt-Class PEM Electrolyzer Sales Quantity Market Share by Type (2020-2031)

Figure 51. Asia-Pacific Megawatt-Class PEM Electrolyzer Sales Quantity Market Share by Application (2020-2031)

Figure 52. Asia-Pacific Megawatt-Class PEM Electrolyzer Sales Quantity Market Share by Region (2020-2031)

Figure 53. Asia-Pacific Megawatt-Class PEM Electrolyzer Consumption Value Market Share by Region (2020-2031)

Figure 54. China Megawatt-Class PEM Electrolyzer Consumption Value (2020-2031) & (USD Million)

Figure 55. Japan Megawatt-Class PEM Electrolyzer Consumption Value (2020-2031) & (USD Million)

Figure 56. South Korea Megawatt-Class PEM Electrolyzer Consumption Value (2020-2031) & (USD Million)

Figure 57. India Megawatt-Class PEM Electrolyzer Consumption Value (2020-2031) &

(USD Million)

Figure 58. Southeast Asia Megawatt-Class PEM Electrolyzer Consumption Value (2020-2031) & (USD Million)

Figure 59. Australia Megawatt-Class PEM Electrolyzer Consumption Value (2020-2031) & (USD Million)

Figure 60. South America Megawatt-Class PEM Electrolyzer Sales Quantity Market Share by Type (2020-2031)

Figure 61. South America Megawatt-Class PEM Electrolyzer Sales Quantity Market Share by Application (2020-2031)

Figure 62. South America Megawatt-Class PEM Electrolyzer Sales Quantity Market Share by Country (2020-2031)

Figure 63. South America Megawatt-Class PEM Electrolyzer Consumption Value Market Share by Country (2020-2031)

Figure 64. Brazil Megawatt-Class PEM Electrolyzer Consumption Value (2020-2031) & (USD Million)

Figure 65. Argentina Megawatt-Class PEM Electrolyzer Consumption Value (2020-2031) & (USD Million)

Figure 66. Middle East & Africa Megawatt-Class PEM Electrolyzer Sales Quantity Market Share by Type (2020-2031)

Figure 67. Middle East & Africa Megawatt-Class PEM Electrolyzer Sales Quantity Market Share by Application (2020-2031)

Figure 68. Middle East & Africa Megawatt-Class PEM Electrolyzer Sales Quantity Market Share by Country (2020-2031)

Figure 69. Middle East & Africa Megawatt-Class PEM Electrolyzer Consumption Value Market Share by Country (2020-2031)

Figure 70. Turkey Megawatt-Class PEM Electrolyzer Consumption Value (2020-2031) & (USD Million)

Figure 71. Egypt Megawatt-Class PEM Electrolyzer Consumption Value (2020-2031) & (USD Million)

Figure 72. Saudi Arabia Megawatt-Class PEM Electrolyzer Consumption Value (2020-2031) & (USD Million)

Figure 73. South Africa Megawatt-Class PEM Electrolyzer Consumption Value (2020-2031) & (USD Million)

Figure 74. Megawatt-Class PEM Electrolyzer Market Drivers

Figure 75. Megawatt-Class PEM Electrolyzer Market Restraints

Figure 76. Megawatt-Class PEM Electrolyzer Market Trends

Figure 77. Porters Five Forces Analysis

Figure 78. Manufacturing Cost Structure Analysis of Megawatt-Class PEM Electrolyzer in 2024

Figure 79. Manufacturing Process Analysis of Megawatt-Class PEM Electrolyzer

Figure 80. Megawatt-Class PEM Electrolyzer Industrial Chain

Figure 81. Sales Channel: Direct to End-User vs Distributors

Figure 82. Direct Channel Pros & Cons

Figure 83. Indirect Channel Pros & Cons

Figure 84. Methodology

Figure 85. Research Process and Data Source

I would like to order

Product name: Global Megawatt-Class PEM Electrolyzer Market 2025 by Manufacturers, Regions, Type and Application, Forecast to 2031

Product link: <https://marketpublishers.com/r/GD32EE183866EN.html>

Price: US\$ 3,132.00 (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 <https://marketpublishers.com/r/GD32EE183866EN.html>