

Global Megawatt-Class PEM Electrolyzer Market Research Report 2026(Status and Outlook)

<https://marketpublishers.com/r/G9BE9B319198EN.html>

Date: March 2026

Pages: 151

Price: US\$ 2,980.00 (Single User License)

ID: G9BE9B319198EN

Abstracts

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.

The global Megawatt-Class PEM Electrolyzer market size was estimated at USD 146.0 million in 2025 and is projected to grow at a compound annual growth rate (CAGR) of 42.70% during the forecast period.

This report offers a comprehensive and in-depth analysis of the global Megawatt-Class PEM Electrolyzer market, covering all critical facets from a broad macroeconomic overview to detailed micro-level insights. It examines market size, competitive landscape, emerging development trends, niche segments, key drivers and challenges, as well as conducts SWOT and value chain analyses.

The insights provided enable readers to understand the competitive dynamics within the industry and formulate effective strategies to enhance profitability and market positioning. Additionally, the report presents a clear framework for evaluating the current status and future outlook of business organizations operating in this sector.

A significant focus of this report lies in the competitive landscape of the global Megawatt-Class PEM Electrolyzer market. It offers detailed profiles of major players, including their market shares, performance metrics, product portfolios, and operational status. This enables stakeholders to identify leading competitors and gain a nuanced understanding of market rivalry and structure.

In summary, this report serves as an essential resource for industry participants, investors, researchers, consultants, and business strategists, as well as anyone planning to enter or expand their presence in the Megawatt-Class PEM Electrolyzer market.

Global Megawatt-Class PEM Electrolyzer Market: Market Segmentation Analysis

This research report provides a detailed segmentation of the market by region (country), key manufacturers, product type, and application. Market segmentation divides the overall market into distinct subsets based on factors such as product categories, end-user industries, geographic locations, and other relevant criteria.

A clear understanding of these market segments enables decision-makers to tailor their product development, sales, and marketing strategies more effectively to meet the unique needs of each segment. Leveraging market segmentation insights can significantly enhance targeted approaches, optimize resource allocation, and accelerate product innovation cycles by aligning offerings with the specific demands of diverse customer groups.

Key Company

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 Segmentation (by Type)

5MW

Market Segmentation (by Application)

Hydrogen Station
Petrochemicals
Others

Geographic Segmentation

North America (USA, Canada, Mexico)
Europe (Germany, UK, France, Russia, Italy, Rest of Europe)
Asia-Pacific (China, Japan, South Korea, India, Southeast Asia, Rest of Asia-Pacific)
South America (Brazil, Argentina, Columbia, Rest of South America)
The Middle East and Africa (Saudi Arabia, UAE, Egypt, Nigeria, South Africa, Rest of MEA)

Key Benefits of This Market Research:

Industry drivers, restraints, and opportunities covered in the study
Neutral perspective on the market performance
Recent industry trends and developments
Competitive landscape & strategies of key players
Potential & niche segments and regions exhibiting promising growth covered
Historical, current, and projected market size, in terms of value
In-depth analysis of the Megawatt-Class PEM Electrolyzer Market
Overview of the regional outlook of the Megawatt-Class PEM Electrolyzer Market:

Customization of the Report

In case of any queries or customization requirements, please connect with our sales team, who will ensure that your requirements are met.

Chapter Outline

Chapter 1 mainly introduces the statistical scope of the report, market division standards, and market research methods.

Chapter 2 is an executive summary of different market segments (by region, product type, application, etc), including the market size of each market segment, future development potential, and so on. It offers a high-level view of the current state of the

Megawatt-Class PEM Electrolyzer Market and its likely evolution in the short to mid-term, and long term.

Chapter 3 makes a detailed analysis of the market's competitive landscape of the market and provides the market share, capacity, output, price, latest development plan, merger, and acquisition information of the main manufacturers in the market.

Chapter 4 is the analysis of the whole market industrial chain, including the upstream and downstream of the industry, as well as Porter's five forces analysis.

Chapter 5 introduces the latest developments of the market, the driving factors and restrictive factors of the market, the challenges and risks faced by manufacturers in the industry, and the analysis of relevant policies in the industry.

Chapter 6 provides the analysis of various market segments according to product types, covering the market size and development potential of each market segment, to help readers find the blue ocean market in different market segments.

Chapter 7 provides the analysis of various market segments according to application, covering the market size and development potential of each market segment, to help readers find the blue ocean market in different downstream markets.

Chapter 8 provides a quantitative analysis of the market size and development potential of each region and its main countries and introduces the market development, future development prospects, market space, and capacity of each country in the world.

Chapter 9 shares the main producing countries of Megawatt-Class PEM Electrolyzer, their output value, profit level, regional supply, production capacity layout, etc. from the supply side.

Chapter 10 introduces the basic situation of the main companies in the market in detail, including product sales revenue, sales volume, price, gross profit margin, market share, product introduction, recent development, etc.

Chapter 11 provides a quantitative analysis of the market size and development potential of each region in the next five years.

Chapter 12 provides a quantitative analysis of the market size and development potential of each market segment in the next five years.

Chapter 13 is the main points and conclusions of the report.

Key Reasons to Buy this Report:

Access to date statistics compiled by our researchers. These provide you with historical

and forecast data, which is analyzed to tell you why your market is set to change

This enables you to anticipate market changes to remain ahead of your competitors

You will be able to copy data from the Excel spreadsheet straight into your marketing plans, business presentations, or other strategic documents

The concise analysis, clear graph, and table format will enable you to pinpoint the information you require quickly

Provision of market value data for each segment and sub-segment

Indicates the region and segment that is expected to witness the fastest growth as well as to dominate the market

Analysis by geography highlighting the consumption of the product/service in the region as well as indicating the factors that are affecting the market within each region

Competitive landscape which incorporates the market ranking of the major players, along with new service/product launches, partnerships, business expansions, and acquisitions in the past five years of companies profiled

Extensive company profiles comprising of company overview, company insights, product benchmarking, and SWOT analysis for the major market players

The current as well as the future market outlook of the industry concerning recent developments which involve growth opportunities and drivers as well as challenges and restraints of both emerging as well as developed regions

Includes in-depth analysis of the market from various perspectives through Porter's five forces analysis

Provides insight into the market through Value Chain

Market dynamics scenario, along with growth opportunities of the market in the years to come

6-month post-sales analyst support

Customization of the Report

In case of any queries or customization requirements, please connect with our sales team, who will ensure that your requirements are met.

Contents

1 RESEARCH METHODOLOGY AND STATISTICAL SCOPE

- 1.1 Market Definition and Statistical Scope of Megawatt-Class PEM Electrolyzer
- 1.2 Key Market Segments
 - 1.2.1 Megawatt-Class PEM Electrolyzer Segment by Type
 - 1.2.2 Megawatt-Class PEM Electrolyzer Segment by Application
- 1.3 Methodology & Sources of Information
 - 1.3.1 Research Methodology
 - 1.3.2 Research Process
 - 1.3.3 Market Breakdown and Data Triangulation
 - 1.3.4 Base Year
 - 1.3.5 Report Assumptions & Caveats

2 MEGAWATT-CLASS PEM ELECTROLYZER MARKET OVERVIEW

- 2.1 Global Market Overview
 - 2.1.1 Global Megawatt-Class PEM Electrolyzer Market Size (M USD) Estimates and Forecasts (2020-2035)
 - 2.1.2 Global Megawatt-Class PEM Electrolyzer Sales Estimates and Forecasts (2020-2035)
- 2.2 Market Segment Executive Summary
- 2.3 Global Market Size by Region

3 MEGAWATT-CLASS PEM ELECTROLYZER MARKET COMPETITIVE LANDSCAPE

- 3.1 Company Assessment Quadrant
- 3.2 Global Megawatt-Class PEM Electrolyzer Product Life Cycle
- 3.3 Global Megawatt-Class PEM Electrolyzer Sales by Manufacturers (2020-2025)
- 3.4 Global Megawatt-Class PEM Electrolyzer Revenue Market Share by Manufacturers (2020-2025)
- 3.5 Megawatt-Class PEM Electrolyzer Market Share by Company Type (Tier 1, Tier 2, and Tier 3)
- 3.6 Global Megawatt-Class PEM Electrolyzer Average Price by Manufacturers (2020-2025)
- 3.7 Manufacturers? Manufacturing Sites, Areas Served, and Product Types
- 3.8 Megawatt-Class PEM Electrolyzer Market Competitive Situation and Trends

- 3.8.1 Megawatt-Class PEM Electrolyzer Market Concentration Rate
- 3.8.2 Global 5 and 10 Largest Megawatt-Class PEM Electrolyzer Players Market Share by Revenue
- 3.8.3 Mergers & Acquisitions, Expansion

4 MEGAWATT-CLASS PEM ELECTROLYZER INDUSTRY CHAIN ANALYSIS

- 4.1 Megawatt-Class PEM Electrolyzer Industry Chain Analysis
- 4.2 Market Overview of Key Raw Materials
- 4.3 Midstream Market Analysis
- 4.4 Downstream Customer Analysis

5 THE DEVELOPMENT AND DYNAMICS OF MEGAWATT-CLASS PEM ELECTROLYZER MARKET

- 5.1 Key Development Trends
- 5.2 Driving Factors
- 5.3 Market Challenges
- 5.4 Industry News
 - 5.4.1 New Product Developments
 - 5.4.2 Mergers & Acquisitions
 - 5.4.3 Expansions
 - 5.4.4 Collaboration/Supply Contracts
- 5.5 PEST Analysis
 - 5.5.1 Industry Policies Analysis
 - 5.5.2 Economic Environment Analysis
 - 5.5.3 Social Environment Analysis
 - 5.5.4 Technological Environment Analysis
- 5.6 Global Megawatt-Class PEM Electrolyzer Market Porter's Five Forces Analysis
 - 5.6.1 Global Trade Frictions
 - 5.6.2 U.S. Tariff Policy ? April 2025
 - 5.6.3 Global Trade Frictions and Their Impacts to Megawatt-Class PEM Electrolyzer Market
- 5.7 ESG Ratings of Leading Companies

6 MEGAWATT-CLASS PEM ELECTROLYZER MARKET SEGMENTATION BY TYPE

- 6.1 Evaluation Matrix of Segment Market Development Potential (Type)
- 6.2 Global Megawatt-Class PEM Electrolyzer Sales Market Share by Type (2020-2025)

6.3 Global Megawatt-Class PEM Electrolyzer Market Size by Type (2020-2025)

6.4 Global Megawatt-Class PEM Electrolyzer Price by Type (2020-2025)

7 MEGAWATT-CLASS PEM ELECTROLYZER MARKET SEGMENTATION BY APPLICATION

7.1 Evaluation Matrix of Segment Market Development Potential (Application)

7.2 Global Megawatt-Class PEM Electrolyzer Market Sales by Application (2020-2025)

7.3 Global Megawatt-Class PEM Electrolyzer Market Size (M USD) by Application (2020-2025)

7.4 Global Megawatt-Class PEM Electrolyzer Sales Growth Rate by Application (2020-2025)

8 MEGAWATT-CLASS PEM ELECTROLYZER MARKET SALES BY REGION

8.1 Global Megawatt-Class PEM Electrolyzer Sales by Region

8.1.1 Global Megawatt-Class PEM Electrolyzer Sales by Region

8.1.2 Global Megawatt-Class PEM Electrolyzer Sales Market Share by Region

8.2 Global Megawatt-Class PEM Electrolyzer Market Size by Region

8.2.1 Global Megawatt-Class PEM Electrolyzer Market Size by Region

8.2.2 Global Megawatt-Class PEM Electrolyzer Market Size by Region

8.3 North America

8.3.1 North America Megawatt-Class PEM Electrolyzer Sales by Country

8.3.2 North America Megawatt-Class PEM Electrolyzer Market Size by Country

8.3.3 U.S. Market Overview

8.3.4 Canada Market Overview

8.3.5 Mexico Market Overview

8.4 Europe

8.4.1 Europe Megawatt-Class PEM Electrolyzer Sales by Country

8.4.2 Europe Megawatt-Class PEM Electrolyzer Market Size by Country

8.4.3 Germany Market Overview

8.4.4 France Market Overview

8.4.5 U.K. Market Overview

8.4.6 Italy Market Overview

8.4.7 Spain Market Overview

8.5 Asia Pacific

8.5.1 Asia Pacific Megawatt-Class PEM Electrolyzer Sales by Region

8.5.2 Asia Pacific Megawatt-Class PEM Electrolyzer Market Size by Region

8.5.3 China Market Overview

- 8.5.4 Japan Market Overview
- 8.5.5 South Korea Market Overview
- 8.5.6 India Market Overview
- 8.5.7 Southeast Asia Market Overview
- 8.6 South America
 - 8.6.1 South America Megawatt-Class PEM Electrolyzer Sales by Country
 - 8.6.2 South America Megawatt-Class PEM Electrolyzer Market Size by Country
 - 8.6.3 Brazil Market Overview
 - 8.6.4 Argentina Market Overview
 - 8.6.5 Columbia Market Overview
- 8.7 Middle East and Africa
 - 8.7.1 Middle East and Africa Megawatt-Class PEM Electrolyzer Sales by Region
 - 8.7.2 Middle East and Africa Megawatt-Class PEM Electrolyzer Market Size by Region
 - 8.7.3 Saudi Arabia Market Overview
 - 8.7.4 UAE Market Overview
 - 8.7.5 Egypt Market Overview
 - 8.7.6 Nigeria Market Overview
 - 8.7.7 South Africa Market Overview

9 MEGAWATT-CLASS PEM ELECTROLYZER MARKET PRODUCTION BY REGION

- 9.1 Global Production of Megawatt-Class PEM Electrolyzer by Region(2020-2025)
- 9.2 Global Megawatt-Class PEM Electrolyzer Revenue Market Share by Region (2020-2025)
- 9.3 Global Megawatt-Class PEM Electrolyzer Production, Revenue, Price and Gross Margin (2020-2025)
- 9.4 North America Megawatt-Class PEM Electrolyzer Production
 - 9.4.1 North America Megawatt-Class PEM Electrolyzer Production Growth Rate (2020-2025)
 - 9.4.2 North America Megawatt-Class PEM Electrolyzer Production, Revenue, Price and Gross Margin (2020-2025)
- 9.5 Europe Megawatt-Class PEM Electrolyzer Production
 - 9.5.1 Europe Megawatt-Class PEM Electrolyzer Production Growth Rate (2020-2025)
 - 9.5.2 Europe Megawatt-Class PEM Electrolyzer Production, Revenue, Price and Gross Margin (2020-2025)
- 9.6 Japan Megawatt-Class PEM Electrolyzer Production (2020-2025)
 - 9.6.1 Japan Megawatt-Class PEM Electrolyzer Production Growth Rate (2020-2025)
 - 9.6.2 Japan Megawatt-Class PEM Electrolyzer Production, Revenue, Price and Gross Margin (2020-2025)

9.7 China Megawatt-Class PEM Electrolyzer Production (2020-2025)

9.7.1 China Megawatt-Class PEM Electrolyzer Production Growth Rate (2020-2025)

9.7.2 China Megawatt-Class PEM Electrolyzer Production, Revenue, Price and Gross Margin (2020-2025)

10 KEY COMPANIES PROFILE

10.1 NEL Hydrogen

10.1.1 NEL Hydrogen Basic Information

10.1.2 NEL Hydrogen Megawatt-Class PEM Electrolyzer Product Overview

10.1.3 NEL Hydrogen Megawatt-Class PEM Electrolyzer Product Market Performance

10.1.4 NEL Hydrogen Business Overview

10.1.5 NEL Hydrogen SWOT Analysis

10.1.6 NEL Hydrogen Recent Developments

10.2 Cummins

10.2.1 Cummins Basic Information

10.2.2 Cummins Megawatt-Class PEM Electrolyzer Product Overview

10.2.3 Cummins Megawatt-Class PEM Electrolyzer Product Market Performance

10.2.4 Cummins Business Overview

10.2.5 Cummins SWOT Analysis

10.2.6 Cummins Recent Developments

10.3 Siemens

10.3.1 Siemens Basic Information

10.3.2 Siemens Megawatt-Class PEM Electrolyzer Product Overview

10.3.3 Siemens Megawatt-Class PEM Electrolyzer Product Market Performance

10.3.4 Siemens Business Overview

10.3.5 Siemens SWOT Analysis

10.3.6 Siemens Recent Developments

10.4 ITM Power

10.4.1 ITM Power Basic Information

10.4.2 ITM Power Megawatt-Class PEM Electrolyzer Product Overview

10.4.3 ITM Power Megawatt-Class PEM Electrolyzer Product Market Performance

10.4.4 ITM Power Business Overview

10.4.5 ITM Power Recent Developments

10.5 Shandong Saksay Hydrogen Energy

10.5.1 Shandong Saksay Hydrogen Energy Basic Information

10.5.2 Shandong Saksay Hydrogen Energy Megawatt-Class PEM Electrolyzer Product Overview

10.5.3 Shandong Saksay Hydrogen Energy Megawatt-Class PEM Electrolyzer Product

Market Performance

- 10.5.4 Shandong Saksay Hydrogen Energy Business Overview
- 10.5.5 Shandong Saksay Hydrogen Energy Recent Developments

10.6 Elogen

- 10.6.1 Elogen Basic Information
- 10.6.2 Elogen Megawatt-Class PEM Electrolyzer Product Overview
- 10.6.3 Elogen Megawatt-Class PEM Electrolyzer Product Market Performance
- 10.6.4 Elogen Business Overview
- 10.6.5 Elogen Recent Developments

10.7 Quest One

- 10.7.1 Quest One Basic Information
- 10.7.2 Quest One Megawatt-Class PEM Electrolyzer Product Overview
- 10.7.3 Quest One Megawatt-Class PEM Electrolyzer Product Market Performance
- 10.7.4 Quest One Business Overview
- 10.7.5 Quest One Recent Developments

10.8 Elchemtech

- 10.8.1 Elchemtech Basic Information
- 10.8.2 Elchemtech Megawatt-Class PEM Electrolyzer Product Overview
- 10.8.3 Elchemtech Megawatt-Class PEM Electrolyzer Product Market Performance
- 10.8.4 Elchemtech Business Overview
- 10.8.5 Elchemtech Recent Developments

10.9 Plug Power Inc.

- 10.9.1 Plug Power Inc. Basic Information
- 10.9.2 Plug Power Inc. Megawatt-Class PEM Electrolyzer Product Overview
- 10.9.3 Plug Power Inc. Megawatt-Class PEM Electrolyzer Product Market

Performance

- 10.9.4 Plug Power Inc. Business Overview
- 10.9.5 Plug Power Inc. Recent Developments

10.10 GreenH Electrolysis

- 10.10.1 GreenH Electrolysis Basic Information
- 10.10.2 GreenH Electrolysis Megawatt-Class PEM Electrolyzer Product Overview
- 10.10.3 GreenH Electrolysis Megawatt-Class PEM Electrolyzer Product Market

Performance

- 10.10.4 GreenH Electrolysis Business Overview
- 10.10.5 GreenH Electrolysis Recent Developments

10.11 Changchun Lvdong Hydrogen Energy Technology

- 10.11.1 Changchun Lvdong Hydrogen Energy Technology Basic Information
- 10.11.2 Changchun Lvdong Hydrogen Energy Technology Megawatt-Class PEM Electrolyzer Product Overview

10.11.3 Changchun Lvdong Hydrogen Energy Technology Megawatt-Class PEM Electrolyzer Product Market Performance

10.11.4 Changchun Lvdong Hydrogen Energy Technology Business Overview

10.11.5 Changchun Lvdong Hydrogen Energy Technology Recent Developments

10.12 Sunshine Hydrogen Technology

10.12.1 Sunshine Hydrogen Technology Basic Information

10.12.2 Sunshine Hydrogen Technology Megawatt-Class PEM Electrolyzer Product Overview

10.12.3 Sunshine Hydrogen Technology Megawatt-Class PEM Electrolyzer Product Market Performance

10.12.4 Sunshine Hydrogen Technology Business Overview

10.12.5 Sunshine Hydrogen Technology Recent Developments

10.13 BriHyNergy

10.13.1 BriHyNergy Basic Information

10.13.2 BriHyNergy Megawatt-Class PEM Electrolyzer Product Overview

10.13.3 BriHyNergy Megawatt-Class PEM Electrolyzer Product Market Performance

10.13.4 BriHyNergy Business Overview

10.13.5 BriHyNergy Recent Developments

11 MEGAWATT-CLASS PEM ELECTROLYZER MARKET FORECAST BY REGION

11.1 Global Megawatt-Class PEM Electrolyzer Market Size Forecast

11.2 Global Megawatt-Class PEM Electrolyzer Market Forecast by Region

11.2.1 North America Market Size Forecast by Country

11.2.2 Europe Megawatt-Class PEM Electrolyzer Market Size Forecast by Country

11.2.3 Asia Pacific Megawatt-Class PEM Electrolyzer Market Size Forecast by Region

11.2.4 South America Megawatt-Class PEM Electrolyzer Market Size Forecast by Country

11.2.5 Middle East and Africa Forecasted Sales of Megawatt-Class PEM Electrolyzer by Country

12 FORECAST MARKET BY TYPE AND BY APPLICATION (2026-2035)

12.1 Global Megawatt-Class PEM Electrolyzer Market Forecast by Type (2026-2035)

12.1.1 Global Forecasted Sales of Megawatt-Class PEM Electrolyzer by Type (2026-2035)

12.1.2 Global Megawatt-Class PEM Electrolyzer Market Size Forecast by Type (2026-2035)

12.1.3 Global Forecasted Price of Megawatt-Class PEM Electrolyzer by Type

(2026-2035)

12.2 Global Megawatt-Class PEM Electrolyzer Market Forecast by Application

(2026-2035)

12.2.1 Global Megawatt-Class PEM Electrolyzer Sales (K Units) Forecast by Application

12.2.2 Global Megawatt-Class PEM Electrolyzer Market Size (M USD) Forecast by Application (2026-2035)

13 CONCLUSION AND KEY FINDINGS

List Of Tables

LIST OF TABLES

- Table 1. Introduction of the Type
- Table 2. Introduction of the Application
- Table 3. Global Megawatt-Class PEM Electrolyzer Market Size by Type (M USD)
- Table 4. Global Megawatt-Class PEM Electrolyzer Market Size by Application
- Table 5. Megawatt-Class PEM Electrolyzer Market Size Comparison by Region (M USD)
- Table 6. Global Megawatt-Class PEM Electrolyzer Sales (K Units) by Manufacturers (2020-2025)
- Table 7. Global Megawatt-Class PEM Electrolyzer Sales Market Share by Manufacturers (2020-2025)
- Table 8. Global Megawatt-Class PEM Electrolyzer Revenue (M USD) by Manufacturers (2020-2025)
- Table 9. Global Megawatt-Class PEM Electrolyzer Revenue Share by Manufacturers (2020-2025)
- Table 10. Company Type (Tier 1, Tier 2, and Tier 3) & (based on the Revenue in Megawatt-Class PEM Electrolyzer as of 2025)
- Table 11. Global Market Megawatt-Class PEM Electrolyzer Average Price (USD/Unit) of Key Manufacturers (2020-2025)
- Table 12. Manufacturers? Manufacturing Sites, Areas Served
- Table 13. Manufacturers? Product Type
- Table 14. Global Megawatt-Class PEM Electrolyzer Manufacturers Market Concentration Ratio (CR5 and HHI)
- Table 15. Mergers & Acquisitions, Expansion Plans
- Table 16. Market Overview of Key Raw Materials
- Table 17. Midstream Market Analysis
- Table 18. Downstream Customer Analysis
- Table 19. Key Development Trends
- Table 20. Driving Factors
- Table 21. Megawatt-Class PEM Electrolyzer Market Challenges
- Table 22. Goldman Sachs' forecast real GDP growth rate for 2025-2026
- Table 23. S&P Global ' Forecast Real GDP Growth Rate For 2025-2027
- Table 24. World Bank ' Forecast Real GDP Growth Rate For 2025-2026
- Table 25. The Tariff Rates Imposed by the United States on Major Commodity Trading Countries
- Table 26. Global Megawatt-Class PEM Electrolyzer Sales by Type (K Units)

Table 27. Global Megawatt-Class PEM Electrolyzer Market Size by Type (M USD)

Table 28. Global Megawatt-Class PEM Electrolyzer Sales (K Units) by Type (2020-2025)

Table 29. Global Megawatt-Class PEM Electrolyzer Sales Market Share by Type (2020-2025)

Table 30. Global Megawatt-Class PEM Electrolyzer Market Size (M USD) by Type (2020-2025)

Table 31. Global Megawatt-Class PEM Electrolyzer Market Share by Type (2020-2025)

Table 32. Global Megawatt-Class PEM Electrolyzer Price (USD/Unit) by Type (2020-2025)

Table 33. Global Megawatt-Class PEM Electrolyzer Sales (K Units) by Application

Table 34. Global Megawatt-Class PEM Electrolyzer Market Size by Application

Table 35. Global Megawatt-Class PEM Electrolyzer Sales by Application (2020-2025) & (K Units)

Table 36. Global Megawatt-Class PEM Electrolyzer Sales Market Share by Application (2020-2025)

Table 37. Global Megawatt-Class PEM Electrolyzer Market Size by Application (2020-2025) & (M USD)

Table 38. Global Megawatt-Class PEM Electrolyzer Market Share by Application (2020-2025)

Table 39. Global Megawatt-Class PEM Electrolyzer Sales Growth Rate by Application (2020-2025)

Table 40. Global Megawatt-Class PEM Electrolyzer Sales by Region (2020-2025) & (K Units)

Table 41. Global Megawatt-Class PEM Electrolyzer Sales Market Share by Region (2020-2025)

Table 42. Global Megawatt-Class PEM Electrolyzer Market Size by Region (2020-2025) & (M USD)

Table 43. Global Megawatt-Class PEM Electrolyzer Market Size by Region (2020-2025)

Table 44. North America Megawatt-Class PEM Electrolyzer Sales by Country (2020-2025) & (K Units)

Table 45. North America Megawatt-Class PEM Electrolyzer Market Size by Country (2020-2025) & (M USD)

Table 46. Europe Megawatt-Class PEM Electrolyzer Sales by Country (2020-2025) & (K Units)

Table 47. Europe Megawatt-Class PEM Electrolyzer Market Size by Country (2020-2025) & (M USD)

Table 48. Asia Pacific Megawatt-Class PEM Electrolyzer Sales by Region (2020-2025) & (K Units)

Table 49. Asia Pacific Megawatt-Class PEM Electrolyzer Market Size by Region (2020-2025) & (M USD)

Table 50. South America Megawatt-Class PEM Electrolyzer Sales by Country (2020-2025) & (K Units)

Table 51. South America Megawatt-Class PEM Electrolyzer Market Size by Country (2020-2025) & (M USD)

Table 52. Middle East and Africa Megawatt-Class PEM Electrolyzer Sales by Region (2020-2025) & (K Units)

Table 53. Middle East and Africa Megawatt-Class PEM Electrolyzer Market Size by Region (2020-2025) & (M USD)

Table 54. Global Megawatt-Class PEM Electrolyzer Production (K Units) by Region(2020-2025)

Table 55. Global Megawatt-Class PEM Electrolyzer Revenue (US\$ Million) by Region (2020-2025)

Table 56. Global Megawatt-Class PEM Electrolyzer Revenue Market Share by Region (2020-2025)

Table 57. Global Megawatt-Class PEM Electrolyzer Production (K Units), Revenue (US\$ Million), Price (USD/Unit) and Gross Margin (2020-2025)

Table 58. North America Megawatt-Class PEM Electrolyzer Production (K Units), Revenue (US\$ Million), Price (USD/Unit) and Gross Margin (2020-2025)

Table 59. Europe Megawatt-Class PEM Electrolyzer Production (K Units), Revenue (US\$ Million), Price (USD/Unit) and Gross Margin (2020-2025)

Table 60. Japan Megawatt-Class PEM Electrolyzer Production (K Units), Revenue (US\$ Million), Price (USD/Unit) and Gross Margin (2020-2025)

Table 61. China Megawatt-Class PEM Electrolyzer Production (K Units), Revenue (US\$ Million), Price (USD/Unit) and Gross Margin (2020-2025)

Table 62. NEL Hydrogen Basic Information

Table 63. NEL Hydrogen Megawatt-Class PEM Electrolyzer Product Overview

Table 64. NEL Hydrogen Megawatt-Class PEM Electrolyzer Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2020-2025)

Table 65. NEL Hydrogen Business Overview

Table 66. NEL Hydrogen SWOT Analysis

Table 67. NEL Hydrogen Recent Developments

Table 68. Cummins Basic Information

Table 69. Cummins Megawatt-Class PEM Electrolyzer Product Overview

Table 70. Cummins Megawatt-Class PEM Electrolyzer Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2020-2025)

Table 71. Cummins Business Overview

Table 72. Cummins SWOT Analysis

- Table 73. Cummins Recent Developments
- Table 74. Siemens Basic Information
- Table 75. Siemens Megawatt-Class PEM Electrolyzer Product Overview
- Table 76. Siemens Megawatt-Class PEM Electrolyzer Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2020-2025)
- Table 77. Siemens Business Overview
- Table 78. Siemens SWOT Analysis
- Table 79. Siemens Recent Developments
- Table 80. ITM Power Basic Information
- Table 81. ITM Power Megawatt-Class PEM Electrolyzer Product Overview
- Table 82. ITM Power Megawatt-Class PEM Electrolyzer Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2020-2025)
- Table 83. ITM Power Business Overview
- Table 84. ITM Power Recent Developments
- Table 85. Shandong Saksay Hydrogen Energy Basic Information
- Table 86. Shandong Saksay Hydrogen Energy Megawatt-Class PEM Electrolyzer Product Overview
- Table 87. Shandong Saksay Hydrogen Energy Megawatt-Class PEM Electrolyzer Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2020-2025)
- Table 88. Shandong Saksay Hydrogen Energy Business Overview
- Table 89. Shandong Saksay Hydrogen Energy Recent Developments
- Table 90. Elogen Basic Information
- Table 91. Elogen Megawatt-Class PEM Electrolyzer Product Overview
- Table 92. Elogen Megawatt-Class PEM Electrolyzer Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2020-2025)
- Table 93. Elogen Business Overview
- Table 94. Elogen Recent Developments
- Table 95. Quest One Basic Information
- Table 96. Quest One Megawatt-Class PEM Electrolyzer Product Overview
- Table 97. Quest One Megawatt-Class PEM Electrolyzer Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2020-2025)
- Table 98. Quest One Business Overview
- Table 99. Quest One Recent Developments
- Table 100. Elchemtech Basic Information
- Table 101. Elchemtech Megawatt-Class PEM Electrolyzer Product Overview
- Table 102. Elchemtech Megawatt-Class PEM Electrolyzer Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2020-2025)
- Table 103. Elchemtech Business Overview
- Table 104. Elchemtech Recent Developments

- Table 105. Plug Power Inc. Basic Information
- Table 106. Plug Power Inc. Megawatt-Class PEM Electrolyzer Product Overview
- Table 107. Plug Power Inc. Megawatt-Class PEM Electrolyzer Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2020-2025)
- Table 108. Plug Power Inc. Business Overview
- Table 109. Plug Power Inc. Recent Developments
- Table 110. GreenH Electrolysis Basic Information
- Table 111. GreenH Electrolysis Megawatt-Class PEM Electrolyzer Product Overview
- Table 112. GreenH Electrolysis Megawatt-Class PEM Electrolyzer Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2020-2025)
- Table 113. GreenH Electrolysis Business Overview
- Table 114. GreenH Electrolysis Recent Developments
- Table 115. Changchun Lvdong Hydrogen Energy Technology Basic Information
- Table 116. Changchun Lvdong Hydrogen Energy Technology Megawatt-Class PEM Electrolyzer Product Overview
- Table 117. Changchun Lvdong Hydrogen Energy Technology Megawatt-Class PEM Electrolyzer Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2020-2025)
- Table 118. Changchun Lvdong Hydrogen Energy Technology Business Overview
- Table 119. Changchun Lvdong Hydrogen Energy Technology Recent Developments
- Table 120. Sunshine Hydrogen Technology Basic Information
- Table 121. Sunshine Hydrogen Technology Megawatt-Class PEM Electrolyzer Product Overview
- Table 122. Sunshine Hydrogen Technology Megawatt-Class PEM Electrolyzer Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2020-2025)
- Table 123. Sunshine Hydrogen Technology Business Overview
- Table 124. Sunshine Hydrogen Technology Recent Developments
- Table 125. BriHyNergy Basic Information
- Table 126. BriHyNergy Megawatt-Class PEM Electrolyzer Product Overview
- Table 127. BriHyNergy Megawatt-Class PEM Electrolyzer Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2020-2025)
- Table 128. BriHyNergy Business Overview
- Table 129. BriHyNergy Recent Developments
- Table 130. Global Megawatt-Class PEM Electrolyzer Sales Forecast by Region (2026-2035) & (K Units)
- Table 131. Global Megawatt-Class PEM Electrolyzer Market Size Forecast by Region (2026-2035) & (M USD)
- Table 132. North America Megawatt-Class PEM Electrolyzer Sales Forecast by Country (2026-2035) & (K Units)

Table 133. North America Megawatt-Class PEM Electrolyzer Market Size Forecast by Country (2026-2035) & (M USD)

Table 134. Europe Megawatt-Class PEM Electrolyzer Sales Forecast by Country (2026-2035) & (K Units)

Table 135. Europe Megawatt-Class PEM Electrolyzer Market Size Forecast by Country (2026-2035) & (M USD)

Table 136. Asia Pacific Megawatt-Class PEM Electrolyzer Sales Forecast by Region (2026-2035) & (K Units)

Table 137. Asia Pacific Megawatt-Class PEM Electrolyzer Market Size Forecast by Region (2026-2035) & (M USD)

Table 138. South America Megawatt-Class PEM Electrolyzer Sales Forecast by Country (2026-2035) & (K Units)

Table 139. South America Megawatt-Class PEM Electrolyzer Market Size Forecast by Country (2026-2035) & (M USD)

Table 140. Middle East and Africa Megawatt-Class PEM Electrolyzer Sales Forecast by Country (2026-2035) & (Units)

Table 141. Middle East and Africa Megawatt-Class PEM Electrolyzer Market Size Forecast by Country (2026-2035) & (M USD)

Table 142. Global Megawatt-Class PEM Electrolyzer Sales Forecast by Type (2026-2035) & (K Units)

Table 143. Global Megawatt-Class PEM Electrolyzer Market Size Forecast by Type (2026-2035) & (M USD)

Table 144. Global Megawatt-Class PEM Electrolyzer Price Forecast by Type (2026-2035) & (USD/Unit)

Table 145. Global Megawatt-Class PEM Electrolyzer Sales (K Units) Forecast by Application (2026-2035)

Table 146. Global Megawatt-Class PEM Electrolyzer Market Size Forecast by Application (2026-2035) & (M USD)

List Of Figures

LIST OF FIGURES

- Figure 1. Product Picture of Megawatt-Class PEM Electrolyzer
- Figure 2. Data Triangulation
- Figure 3. Key Caveats
- Figure 4. Global Megawatt-Class PEM Electrolyzer Market Size (M USD), 2025-2035
- Figure 5. Global Megawatt-Class PEM Electrolyzer Market Size (M USD) (2020-2035)
- Figure 6. Global Megawatt-Class PEM Electrolyzer Sales (K Units) & (2020-2035)
- Figure 7. Evaluation Matrix of Segment Market Development Potential (Type)
- Figure 8. Evaluation Matrix of Segment Market Development Potential (Application)
- Figure 9. Evaluation Matrix of Regional Market Development Potential
- Figure 10. Megawatt-Class PEM Electrolyzer Market Size by Country (M USD)
- Figure 11. Company Assessment Quadrant
- Figure 12. Global Megawatt-Class PEM Electrolyzer Product Life Cycle
- Figure 13. Megawatt-Class PEM Electrolyzer Sales Share by Manufacturers in 2025
- Figure 14. Global Megawatt-Class PEM Electrolyzer Revenue Share by Manufacturers in 2025
- Figure 15. Megawatt-Class PEM Electrolyzer Market Share by Company Type (Tier 1, Tier 2 and Tier 3): 2025
- Figure 16. Global Market Megawatt-Class PEM Electrolyzer Average Price (USD/Unit) of Key Manufacturers in 2025
- Figure 17. The Global 5 and 10 Largest Players: Market Share by Megawatt-Class PEM Electrolyzer Revenue in 2025
- Figure 18. Industry Chain Map of Megawatt-Class PEM Electrolyzer
- Figure 19. Global Megawatt-Class PEM Electrolyzer Market PEST Analysis
- Figure 20. Global Megawatt-Class PEM Electrolyzer Market Porter's Five Forces Analysis
- Figure 21. Global Merchandise Trade as a Percentage Of GDP
- Figure 22. US - Imports of Goods by Country
- Figure 23. China Exports by Country
- Figure 24. ESG Rating Distribution of The Leading Company Compared With Its Peers
- Figure 25. Evaluation Matrix of Segment Market Development Potential (Type)
- Figure 26. Global Megawatt-Class PEM Electrolyzer Market Share by Type
- Figure 27. Sales Market Share of Megawatt-Class PEM Electrolyzer by Type (2020-2025)
- Figure 28. Sales Market Share of Megawatt-Class PEM Electrolyzer by Type in 2025
- Figure 29. Market Share of Megawatt-Class PEM Electrolyzer by Type (2020-2025)

- Figure 30. Market Share of Megawatt-Class PEM Electrolyzer by Type in 2025
- Figure 31. Evaluation Matrix of Segment Market Development Potential (Application)
- Figure 32. Global Megawatt-Class PEM Electrolyzer Market Share by Application
- Figure 33. Global Megawatt-Class PEM Electrolyzer Sales Market Share by Application (2020-2025)
- Figure 34. Global Megawatt-Class PEM Electrolyzer Sales Market Share by Application in 2025
- Figure 35. Global Megawatt-Class PEM Electrolyzer Market Share by Application (2020-2025)
- Figure 36. Global Megawatt-Class PEM Electrolyzer Market Share by Application in 2025
- Figure 37. Global Megawatt-Class PEM Electrolyzer Sales Growth Rate by Application (2020-2025)
- Figure 38. Global Megawatt-Class PEM Electrolyzer Sales Market Share by Region (2020-2025)
- Figure 39. Global Megawatt-Class PEM Electrolyzer Market Size by Region (2020-2025)
- Figure 40. North America Megawatt-Class PEM Electrolyzer Sales and Growth Rate (2020-2025) & (K Units)
- Figure 41. North America Megawatt-Class PEM Electrolyzer Sales and Growth Rate (2020-2025) & (K Units)
- Figure 42. North America Megawatt-Class PEM Electrolyzer Sales Market Share by Country in 2024
- Figure 43. North America Megawatt-Class PEM Electrolyzer Market Size and Growth Rate (2020-2025) & (M USD)
- Figure 44. North America Megawatt-Class PEM Electrolyzer Market Size by Country in 2024
- Figure 45. U.S. Megawatt-Class PEM Electrolyzer Sales and Growth Rate (2020-2025) & (K Units)
- Figure 46. U.S. Megawatt-Class PEM Electrolyzer Market Size and Growth Rate (2020-2025) & (M USD)
- Figure 47. Canada Megawatt-Class PEM Electrolyzer Sales (K Units) and Growth Rate (2020-2025)
- Figure 48. Canada Megawatt-Class PEM Electrolyzer Market Size (M USD) and Growth Rate (2020-2025)
- Figure 49. Mexico Megawatt-Class PEM Electrolyzer Sales (Units) and Growth Rate (2020-2025)
- Figure 50. Mexico Megawatt-Class PEM Electrolyzer Market Size (Units) and Growth Rate (2020-2025)

Figure 51. Europe Megawatt-Class PEM Electrolyzer Sales and Growth Rate (2020-2025) & (K Units)

Figure 52. Europe Megawatt-Class PEM Electrolyzer Sales Market Share by Country in 2024

Figure 53. Europe Megawatt-Class PEM Electrolyzer Market Size and Growth Rate (2020-2025) & (M USD)

Figure 54. Europe Megawatt-Class PEM Electrolyzer Market Size by Country in 2024

Figure 55. Germany Megawatt-Class PEM Electrolyzer Sales and Growth Rate (2020-2025) & (K Units)

Figure 56. Germany Megawatt-Class PEM Electrolyzer Market Size and Growth Rate (2020-2025) & (M USD)

Figure 57. France Megawatt-Class PEM Electrolyzer Sales and Growth Rate (2020-2025) & (K Units)

Figure 58. France Megawatt-Class PEM Electrolyzer Market Size and Growth Rate (2020-2025) & (M USD)

Figure 59. U.K. Megawatt-Class PEM Electrolyzer Sales and Growth Rate (2020-2025) & (K Units)

Figure 60. U.K. Megawatt-Class PEM Electrolyzer Market Size and Growth Rate (2020-2025) & (M USD)

Figure 61. Italy Megawatt-Class PEM Electrolyzer Sales and Growth Rate (2020-2025) & (K Units)

Figure 62. Italy Megawatt-Class PEM Electrolyzer Market Size and Growth Rate (2020-2025) & (M USD)

Figure 63. Spain Megawatt-Class PEM Electrolyzer Sales and Growth Rate (2020-2025) & (K Units)

Figure 64. Spain Megawatt-Class PEM Electrolyzer Market Size and Growth Rate (2020-2025) & (M USD)

Figure 65. Asia Pacific Megawatt-Class PEM Electrolyzer Sales and Growth Rate (K Units)

Figure 66. Asia Pacific Megawatt-Class PEM Electrolyzer Sales Market Share by Region in 2024

Figure 67. Asia Pacific Megawatt-Class PEM Electrolyzer Market Size by Region in 2024

Figure 68. China Megawatt-Class PEM Electrolyzer Sales and Growth Rate (2020-2025) & (K Units)

Figure 69. China Megawatt-Class PEM Electrolyzer Market Size and Growth Rate (2020-2025) & (M USD)

Figure 70. Japan Megawatt-Class PEM Electrolyzer Sales and Growth Rate (2020-2025) & (K Units)

Figure 71. Japan Megawatt-Class PEM Electrolyzer Market Size and Growth Rate (2020-2025) & (M USD)

Figure 72. South Korea Megawatt-Class PEM Electrolyzer Sales and Growth Rate (2020-2025) & (K Units)

Figure 73. South Korea Megawatt-Class PEM Electrolyzer Market Size and Growth Rate (2020-2025) & (M USD)

Figure 74. India Megawatt-Class PEM Electrolyzer Sales and Growth Rate (2020-2025) & (K Units)

Figure 75. India Megawatt-Class PEM Electrolyzer Market Size and Growth Rate (2020-2025) & (M USD)

Figure 76. Southeast Asia Megawatt-Class PEM Electrolyzer Sales and Growth Rate (2020-2025) & (K Units)

Figure 77. Southeast Asia Megawatt-Class PEM Electrolyzer Market Size and Growth Rate (2020-2025) & (M USD)

Figure 78. South America Megawatt-Class PEM Electrolyzer Sales and Growth Rate (K Units)

Figure 79. South America Megawatt-Class PEM Electrolyzer Sales Market Share by Country in 2024

Figure 80. South America Megawatt-Class PEM Electrolyzer Market Size and Growth Rate (M USD)

Figure 81. South America Megawatt-Class PEM Electrolyzer Market Size by Country in 2024

Figure 82. Brazil Megawatt-Class PEM Electrolyzer Sales and Growth Rate (2020-2025) & (K Units)

Figure 83. Brazil Megawatt-Class PEM Electrolyzer Market Size and Growth Rate (2020-2025) & (M USD)

Figure 84. Argentina Megawatt-Class PEM Electrolyzer Sales and Growth Rate (2020-2025) & (K Units)

Figure 85. Argentina Megawatt-Class PEM Electrolyzer Market Size and Growth Rate (2020-2025) & (M USD)

Figure 86. Columbia Megawatt-Class PEM Electrolyzer Sales and Growth Rate (2020-2025) & (K Units)

Figure 87. Columbia Megawatt-Class PEM Electrolyzer Market Size and Growth Rate (2020-2025) & (M USD)

Figure 88. Middle East and Africa Megawatt-Class PEM Electrolyzer Sales and Growth Rate (K Units)

Figure 89. Middle East and Africa Megawatt-Class PEM Electrolyzer Sales Market Share by Region in 2024

Figure 90. Middle East and Africa Megawatt-Class PEM Electrolyzer Market Size and

Growth Rate (M USD)

Figure 91. Middle East and Africa Megawatt-Class PEM Electrolyzer Market Size by Region in 2024

Figure 92. Saudi Arabia Megawatt-Class PEM Electrolyzer Sales and Growth Rate (2020-2025) & (K Units)

Figure 93. Saudi Arabia Megawatt-Class PEM Electrolyzer Market Size and Growth Rate (2020-2025) & (M USD)

Figure 94. UAE Megawatt-Class PEM Electrolyzer Sales and Growth Rate (2020-2025) & (K Units)

Figure 95. UAE Megawatt-Class PEM Electrolyzer Market Size and Growth Rate (2020-2025) & (M USD)

Figure 96. Egypt Megawatt-Class PEM Electrolyzer Sales and Growth Rate (2020-2025) & (K Units)

Figure 97. Egypt Megawatt-Class PEM Electrolyzer Market Size and Growth Rate (2020-2025) & (M USD)

Figure 98. Nigeria Megawatt-Class PEM Electrolyzer Sales and Growth Rate (2020-2025) & (K Units)

Figure 99. Nigeria Megawatt-Class PEM Electrolyzer Market Size and Growth Rate (2020-2025) & (M USD)

Figure 100. South Africa Megawatt-Class PEM Electrolyzer Sales and Growth Rate (2020-2025) & (K Units)

Figure 101. South Africa Megawatt-Class PEM Electrolyzer Market Size and Growth Rate (2020-2025) & (M USD)

Figure 102. Global Megawatt-Class PEM Electrolyzer Production Market Share by Region (2020-2025)

Figure 103. North America Megawatt-Class PEM Electrolyzer Production (K Units) Growth Rate (2020-2025)

Figure 104. Europe Megawatt-Class PEM Electrolyzer Production (K Units) Growth Rate (2020-2025)

Figure 105. Japan Megawatt-Class PEM Electrolyzer Production (K Units) Growth Rate (2020-2025)

Figure 106. China Megawatt-Class PEM Electrolyzer Production (K Units) Growth Rate (2020-2025)

Figure 107. Global Megawatt-Class PEM Electrolyzer Sales Forecast by Volume (2020-2035) & (K Units)

Figure 108. Global Megawatt-Class PEM Electrolyzer Market Size Forecast by Value (2020-2035) & (M USD)

Figure 109. Global Megawatt-Class PEM Electrolyzer Sales Market Share Forecast by Type (2026-2035)

Figure 110. Global Megawatt-Class PEM Electrolyzer Market Share Forecast by Type (2026-2035)

Figure 111. Global Megawatt-Class PEM Electrolyzer Sales Forecast by Application (2026-2035)

Figure 112. Global Megawatt-Class PEM Electrolyzer Market Share Forecast by Application (2026-2035)

I would like to order

Product name: Global Megawatt-Class PEM Electrolyzer Market Research Report 2026(Status and Outlook)

Product link: <https://marketpublishers.com/r/G9BE9B319198EN.html>

Price: US\$ 2,980.00 (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/G9BE9B319198EN.html>