

# Global PEM Water Electrolysis Hydrogen Generator Supply, Demand and Key Producers, 2023-2029

<https://marketpublishers.com/r/G7EC3F620325EN.html>

Date: November 2023

Pages: 143

Price: US\$ 4,480.00 (Single User License)

ID: G7EC3F620325EN

## Abstracts

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

PEM water electrolysis for hydrogen production is one of the three mainstream water electrolysis hydrogen production technologies at present, that is, water is split into hydrogen and oxygen through a proton exchange membrane, and hydrogen is produced using chemical reactions and electrochemical reactions. Compared with traditional alkaline water electrolysis hydrogen production technology, PEM hydrogen production equipment is smaller, faster in response, cleaner and more environmentally friendly.

This report studies the global PEM Water Electrolysis Hydrogen Generator production, demand, key manufacturers, and key regions.

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

Highlights and key features of the study

Global PEM Water Electrolysis Hydrogen Generator total production and demand, 2018-2029, (K Units)

Global PEM Water Electrolysis Hydrogen Generator total production value, 2018-2029, (USD Million)

Global PEM Water Electrolysis Hydrogen Generator production by region & country, production, value, CAGR, 2018-2029, (USD Million) & (K Units)

Global PEM Water Electrolysis Hydrogen Generator consumption by region & country, CAGR, 2018-2029 & (K Units)

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

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

Global PEM Water Electrolysis Hydrogen Generator production by Type, production, value, CAGR, 2018-2029, (USD Million) & (K Units)

Global PEM Water Electrolysis Hydrogen Generator production by Application production, value, CAGR, 2018-2029, (USD Million) & (K Units).

This reports profiles key players in the global PEM Water Electrolysis Hydrogen Generator market based on the following parameters – company overview, production, value, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include Nel Hydrogen, Plug Power, Hydrogen Pro, Cummins, ITM Power, Siemens Energy, Elogen, Hitachi Zosen and PERIC Hydrogen Teehnologies, etc.

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

Stakeholders would have ease in decision-making through various strategy matrices used in analyzing the World PEM Water Electrolysis Hydrogen Generator market.

Detailed Segmentation:

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

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

#### Global PEM Water Electrolysis Hydrogen Generator Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

#### Global PEM Water Electrolysis Hydrogen Generator Market, Segmentation by Type

Split Installation

All-In-One

Container

#### Global PEM Water Electrolysis Hydrogen Generator Market, Segmentation by Application

Hydrogen Cooling in Thermal Power Plants

Hydrogen Refueling Station

Photovoltaic

Semiconductor

Others

Companies Profiled:

Nel Hydrogen

Plug Power

Hydrogen Pro

Cummins

ITM Power

Siemens Energy

Elogen

Hitachi Zosen

PERIC Hydrogen Teehnologies

Sungrow Power Supply

Shandong Saikesaisi Hydrogen Energy

Beijing SinoHy Energy

Jiangsu Guofu Hydrogen Energy Equipment

Changchun Lvdong Hydrogen

KINGHET

Shenzhen KyLin TechnoLogy

## Key Questions Answered

1. How big is the global PEM Water Electrolysis Hydrogen Generator market?
2. What is the demand of the global PEM Water Electrolysis Hydrogen Generator market?
3. What is the year over year growth of the global PEM Water Electrolysis Hydrogen Generator market?
4. What is the production and production value of the global PEM Water Electrolysis Hydrogen Generator market?
5. Who are the key producers in the global PEM Water Electrolysis Hydrogen Generator market?

## Contents

### 1 SUPPLY SUMMARY

- 1.1 PEM Water Electrolysis Hydrogen Generator Introduction
- 1.2 World PEM Water Electrolysis Hydrogen Generator Supply & Forecast
  - 1.2.1 World PEM Water Electrolysis Hydrogen Generator Production Value (2018 & 2022 & 2029)
  - 1.2.2 World PEM Water Electrolysis Hydrogen Generator Production (2018-2029)
  - 1.2.3 World PEM Water Electrolysis Hydrogen Generator Pricing Trends (2018-2029)
- 1.3 World PEM Water Electrolysis Hydrogen Generator Production by Region (Based on Production Site)
  - 1.3.1 World PEM Water Electrolysis Hydrogen Generator Production Value by Region (2018-2029)
  - 1.3.2 World PEM Water Electrolysis Hydrogen Generator Production by Region (2018-2029)
  - 1.3.3 World PEM Water Electrolysis Hydrogen Generator Average Price by Region (2018-2029)
  - 1.3.4 North America PEM Water Electrolysis Hydrogen Generator Production (2018-2029)
  - 1.3.5 Europe PEM Water Electrolysis Hydrogen Generator Production (2018-2029)
  - 1.3.6 China PEM Water Electrolysis Hydrogen Generator Production (2018-2029)
  - 1.3.7 Japan PEM Water Electrolysis Hydrogen Generator Production (2018-2029)
- 1.4 Market Drivers, Restraints and Trends
  - 1.4.1 PEM Water Electrolysis Hydrogen Generator Market Drivers
  - 1.4.2 Factors Affecting Demand
  - 1.4.3 PEM Water Electrolysis Hydrogen Generator Major Market Trends

### 2 DEMAND SUMMARY

- 2.1 World PEM Water Electrolysis Hydrogen Generator Demand (2018-2029)
- 2.2 World PEM Water Electrolysis Hydrogen Generator Consumption by Region
  - 2.2.1 World PEM Water Electrolysis Hydrogen Generator Consumption by Region (2018-2023)
  - 2.2.2 World PEM Water Electrolysis Hydrogen Generator Consumption Forecast by Region (2024-2029)
- 2.3 United States PEM Water Electrolysis Hydrogen Generator Consumption (2018-2029)
- 2.4 China PEM Water Electrolysis Hydrogen Generator Consumption (2018-2029)

- 2.5 Europe PEM Water Electrolysis Hydrogen Generator Consumption (2018-2029)
- 2.6 Japan PEM Water Electrolysis Hydrogen Generator Consumption (2018-2029)
- 2.7 South Korea PEM Water Electrolysis Hydrogen Generator Consumption (2018-2029)
- 2.8 ASEAN PEM Water Electrolysis Hydrogen Generator Consumption (2018-2029)
- 2.9 India PEM Water Electrolysis Hydrogen Generator Consumption (2018-2029)

### **3 WORLD PEM WATER ELECTROLYSIS HYDROGEN GENERATOR MANUFACTURERS COMPETITIVE ANALYSIS**

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

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

#### 4.1 United States VS China: PEM Water Electrolysis Hydrogen Generator Production Value Comparison

4.1.1 United States VS China: PEM Water Electrolysis Hydrogen Generator Production Value Comparison (2018 & 2022 & 2029)

4.1.2 United States VS China: PEM Water Electrolysis Hydrogen Generator Production Value Market Share Comparison (2018 & 2022 & 2029)

#### 4.2 United States VS China: PEM Water Electrolysis Hydrogen Generator Production Comparison

4.2.1 United States VS China: PEM Water Electrolysis Hydrogen Generator Production Comparison (2018 & 2022 & 2029)

4.2.2 United States VS China: PEM Water Electrolysis Hydrogen Generator Production Market Share Comparison (2018 & 2022 & 2029)

#### 4.3 United States VS China: PEM Water Electrolysis Hydrogen Generator Consumption Comparison

4.3.1 United States VS China: PEM Water Electrolysis Hydrogen Generator Consumption Comparison (2018 & 2022 & 2029)

4.3.2 United States VS China: PEM Water Electrolysis Hydrogen Generator Consumption Market Share Comparison (2018 & 2022 & 2029)

#### 4.4 United States Based PEM Water Electrolysis Hydrogen Generator Manufacturers and Market Share, 2018-2023

4.4.1 United States Based PEM Water Electrolysis Hydrogen Generator Manufacturers, Headquarters and Production Site (States, Country)

4.4.2 United States Based Manufacturers PEM Water Electrolysis Hydrogen Generator Production Value (2018-2023)

4.4.3 United States Based Manufacturers PEM Water Electrolysis Hydrogen Generator Production (2018-2023)

#### 4.5 China Based PEM Water Electrolysis Hydrogen Generator Manufacturers and Market Share

4.5.1 China Based PEM Water Electrolysis Hydrogen Generator Manufacturers, Headquarters and Production Site (Province, Country)

4.5.2 China Based Manufacturers PEM Water Electrolysis Hydrogen Generator Production Value (2018-2023)

4.5.3 China Based Manufacturers PEM Water Electrolysis Hydrogen Generator Production (2018-2023)

#### 4.6 Rest of World Based PEM Water Electrolysis Hydrogen Generator Manufacturers and Market Share, 2018-2023

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



4.6.2 Rest of World Based Manufacturers PEM Water Electrolysis Hydrogen Generator Production Value (2018-2023)

4.6.3 Rest of World Based Manufacturers PEM Water Electrolysis Hydrogen Generator Production (2018-2023)

## **5 MARKET ANALYSIS BY TYPE**

5.1 World PEM Water Electrolysis Hydrogen Generator Market Size Overview by Type: 2018 VS 2022 VS 2029

5.2 Segment Introduction by Type

5.2.1 Split Installation

5.2.2 All-In-One

5.2.3 Container

5.3 Market Segment by Type

5.3.1 World PEM Water Electrolysis Hydrogen Generator Production by Type (2018-2029)

5.3.2 World PEM Water Electrolysis Hydrogen Generator Production Value by Type (2018-2029)

5.3.3 World PEM Water Electrolysis Hydrogen Generator Average Price by Type (2018-2029)

## **6 MARKET ANALYSIS BY APPLICATION**

6.1 World PEM Water Electrolysis Hydrogen Generator Market Size Overview by Application: 2018 VS 2022 VS 2029

6.2 Segment Introduction by Application

6.2.1 Hydrogen Cooling in Thermal Power Plants

6.2.2 Hydrogen Refueling Station

6.2.3 Photovoltaic

6.2.4 Semiconductor

6.2.5 Others

6.3 Market Segment by Application

6.3.1 World PEM Water Electrolysis Hydrogen Generator Production by Application (2018-2029)

6.3.2 World PEM Water Electrolysis Hydrogen Generator Production Value by Application (2018-2029)

6.3.3 World PEM Water Electrolysis Hydrogen Generator Average Price by Application (2018-2029)

## 7 COMPANY PROFILES

### 7.1 Nel Hydrogen

7.1.1 Nel Hydrogen Details

7.1.2 Nel Hydrogen Major Business

7.1.3 Nel Hydrogen PEM Water Electrolysis Hydrogen Generator Product and Services

7.1.4 Nel Hydrogen PEM Water Electrolysis Hydrogen Generator Production, Price, Value, Gross Margin and Market Share (2018-2023)

7.1.5 Nel Hydrogen Recent Developments/Updates

7.1.6 Nel Hydrogen Competitive Strengths & Weaknesses

### 7.2 Plug Power

7.2.1 Plug Power Details

7.2.2 Plug Power Major Business

7.2.3 Plug Power PEM Water Electrolysis Hydrogen Generator Product and Services

7.2.4 Plug Power PEM Water Electrolysis Hydrogen Generator Production, Price, Value, Gross Margin and Market Share (2018-2023)

7.2.5 Plug Power Recent Developments/Updates

7.2.6 Plug Power Competitive Strengths & Weaknesses

### 7.3 Hydrogen Pro

7.3.1 Hydrogen Pro Details

7.3.2 Hydrogen Pro Major Business

7.3.3 Hydrogen Pro PEM Water Electrolysis Hydrogen Generator Product and Services

7.3.4 Hydrogen Pro PEM Water Electrolysis Hydrogen Generator Production, Price, Value, Gross Margin and Market Share (2018-2023)

7.3.5 Hydrogen Pro Recent Developments/Updates

7.3.6 Hydrogen Pro Competitive Strengths & Weaknesses

### 7.4 Cummins

7.4.1 Cummins Details

7.4.2 Cummins Major Business

7.4.3 Cummins PEM Water Electrolysis Hydrogen Generator Product and Services

7.4.4 Cummins PEM Water Electrolysis Hydrogen Generator Production, Price, Value, Gross Margin and Market Share (2018-2023)

7.4.5 Cummins Recent Developments/Updates

7.4.6 Cummins Competitive Strengths & Weaknesses

### 7.5 ITM Power

7.5.1 ITM Power Details

7.5.2 ITM Power Major Business

- 7.5.3 ITM Power PEM Water Electrolysis Hydrogen Generator Product and Services
- 7.5.4 ITM Power PEM Water Electrolysis Hydrogen Generator Production, Price, Value, Gross Margin and Market Share (2018-2023)
- 7.5.5 ITM Power Recent Developments/Updates
- 7.5.6 ITM Power Competitive Strengths & Weaknesses
- 7.6 Siemens Energy
  - 7.6.1 Siemens Energy Details
  - 7.6.2 Siemens Energy Major Business
  - 7.6.3 Siemens Energy PEM Water Electrolysis Hydrogen Generator Product and Services
  - 7.6.4 Siemens Energy PEM Water Electrolysis Hydrogen Generator Production, Price, Value, Gross Margin and Market Share (2018-2023)
  - 7.6.5 Siemens Energy Recent Developments/Updates
  - 7.6.6 Siemens Energy Competitive Strengths & Weaknesses
- 7.7 Elogen
  - 7.7.1 Elogen Details
  - 7.7.2 Elogen Major Business
  - 7.7.3 Elogen PEM Water Electrolysis Hydrogen Generator Product and Services
  - 7.7.4 Elogen PEM Water Electrolysis Hydrogen Generator Production, Price, Value, Gross Margin and Market Share (2018-2023)
  - 7.7.5 Elogen Recent Developments/Updates
  - 7.7.6 Elogen Competitive Strengths & Weaknesses
- 7.8 Hitachi Zosen
  - 7.8.1 Hitachi Zosen Details
  - 7.8.2 Hitachi Zosen Major Business
  - 7.8.3 Hitachi Zosen PEM Water Electrolysis Hydrogen Generator Product and Services
  - 7.8.4 Hitachi Zosen PEM Water Electrolysis Hydrogen Generator Production, Price, Value, Gross Margin and Market Share (2018-2023)
  - 7.8.5 Hitachi Zosen Recent Developments/Updates
  - 7.8.6 Hitachi Zosen Competitive Strengths & Weaknesses
- 7.9 PERIC Hydrogen Teehnologies
  - 7.9.1 PERIC Hydrogen Teehnologies Details
  - 7.9.2 PERIC Hydrogen Teehnologies Major Business
  - 7.9.3 PERIC Hydrogen Teehnologies PEM Water Electrolysis Hydrogen Generator Product and Services
  - 7.9.4 PERIC Hydrogen Teehnologies PEM Water Electrolysis Hydrogen Generator Production, Price, Value, Gross Margin and Market Share (2018-2023)
  - 7.9.5 PERIC Hydrogen Teehnologies Recent Developments/Updates

- 7.9.6 PERIC Hydrogen Technologies Competitive Strengths & Weaknesses
- 7.10 Sungrow Power Supply
  - 7.10.1 Sungrow Power Supply Details
  - 7.10.2 Sungrow Power Supply Major Business
  - 7.10.3 Sungrow Power Supply PEM Water Electrolysis Hydrogen Generator Product and Services
  - 7.10.4 Sungrow Power Supply PEM Water Electrolysis Hydrogen Generator Production, Price, Value, Gross Margin and Market Share (2018-2023)
  - 7.10.5 Sungrow Power Supply Recent Developments/Updates
  - 7.10.6 Sungrow Power Supply Competitive Strengths & Weaknesses
- 7.11 Shandong Saikesaisi Hydrogen Energy
  - 7.11.1 Shandong Saikesaisi Hydrogen Energy Details
  - 7.11.2 Shandong Saikesaisi Hydrogen Energy Major Business
  - 7.11.3 Shandong Saikesaisi Hydrogen Energy PEM Water Electrolysis Hydrogen Generator Product and Services
  - 7.11.4 Shandong Saikesaisi Hydrogen Energy PEM Water Electrolysis Hydrogen Generator Production, Price, Value, Gross Margin and Market Share (2018-2023)
  - 7.11.5 Shandong Saikesaisi Hydrogen Energy Recent Developments/Updates
  - 7.11.6 Shandong Saikesaisi Hydrogen Energy Competitive Strengths & Weaknesses
- 7.12 Beijing SinoHy Energy
  - 7.12.1 Beijing SinoHy Energy Details
  - 7.12.2 Beijing SinoHy Energy Major Business
  - 7.12.3 Beijing SinoHy Energy PEM Water Electrolysis Hydrogen Generator Product and Services
  - 7.12.4 Beijing SinoHy Energy PEM Water Electrolysis Hydrogen Generator Production, Price, Value, Gross Margin and Market Share (2018-2023)
  - 7.12.5 Beijing SinoHy Energy Recent Developments/Updates
  - 7.12.6 Beijing SinoHy Energy Competitive Strengths & Weaknesses
- 7.13 Jiangsu Guofu Hydrogen Energy Equipment
  - 7.13.1 Jiangsu Guofu Hydrogen Energy Equipment Details
  - 7.13.2 Jiangsu Guofu Hydrogen Energy Equipment Major Business
  - 7.13.3 Jiangsu Guofu Hydrogen Energy Equipment PEM Water Electrolysis Hydrogen Generator Product and Services
  - 7.13.4 Jiangsu Guofu Hydrogen Energy Equipment PEM Water Electrolysis Hydrogen Generator Production, Price, Value, Gross Margin and Market Share (2018-2023)
  - 7.13.5 Jiangsu Guofu Hydrogen Energy Equipment Recent Developments/Updates
  - 7.13.6 Jiangsu Guofu Hydrogen Energy Equipment Competitive Strengths & Weaknesses
- 7.14 Changchun Lvdong Hydrogen

- 7.14.1 Changchun Lvdong Hydrogen Details
- 7.14.2 Changchun Lvdong Hydrogen Major Business
- 7.14.3 Changchun Lvdong Hydrogen PEM Water Electrolysis Hydrogen Generator Product and Services
- 7.14.4 Changchun Lvdong Hydrogen PEM Water Electrolysis Hydrogen Generator Production, Price, Value, Gross Margin and Market Share (2018-2023)
- 7.14.5 Changchun Lvdong Hydrogen Recent Developments/Updates
- 7.14.6 Changchun Lvdong Hydrogen Competitive Strengths & Weaknesses
- 7.15 KINGHET
  - 7.15.1 KINGHET Details
  - 7.15.2 KINGHET Major Business
  - 7.15.3 KINGHET PEM Water Electrolysis Hydrogen Generator Product and Services
  - 7.15.4 KINGHET PEM Water Electrolysis Hydrogen Generator Production, Price, Value, Gross Margin and Market Share (2018-2023)
  - 7.15.5 KINGHET Recent Developments/Updates
  - 7.15.6 KINGHET Competitive Strengths & Weaknesses
- 7.16 Shenzhen KyLin TechnoLogy
  - 7.16.1 Shenzhen KyLin TechnoLogy Details
  - 7.16.2 Shenzhen KyLin TechnoLogy Major Business
  - 7.16.3 Shenzhen KyLin TechnoLogy PEM Water Electrolysis Hydrogen Generator Product and Services
  - 7.16.4 Shenzhen KyLin TechnoLogy PEM Water Electrolysis Hydrogen Generator Production, Price, Value, Gross Margin and Market Share (2018-2023)
  - 7.16.5 Shenzhen KyLin TechnoLogy Recent Developments/Updates
  - 7.16.6 Shenzhen KyLin TechnoLogy Competitive Strengths & Weaknesses

## **8 INDUSTRY CHAIN ANALYSIS**

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

- 8.7.1 PEM Water Electrolysis Hydrogen Generator Sales Model
- 8.7.2 PEM Water Electrolysis Hydrogen Generator Typical Customers

## **9 RESEARCH FINDINGS AND CONCLUSION**

## **10 APPENDIX**

- 10.1 Methodology
- 10.2 Research Process and Data Source
- 10.3 Disclaimer

## List Of Tables

### LIST OF TABLES

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

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

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

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

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

Table 6. World PEM Water Electrolysis Hydrogen Generator Production by Region (2018-2023) & (K Units)

Table 7. World PEM Water Electrolysis Hydrogen Generator Production by Region (2024-2029) & (K Units)

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

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

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

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

Table 12. PEM Water Electrolysis Hydrogen Generator Major Market Trends

Table 13. World PEM Water Electrolysis Hydrogen Generator Consumption Growth Rate Forecast by Region (2018 & 2022 & 2029) & (K Units)

Table 14. World PEM Water Electrolysis Hydrogen Generator Consumption by Region (2018-2023) & (K Units)

Table 15. World PEM Water Electrolysis Hydrogen Generator Consumption Forecast by Region (2024-2029) & (K Units)

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

Table 17. Production Value Market Share of Key PEM Water Electrolysis Hydrogen Generator Producers in 2022

Table 18. World PEM Water Electrolysis Hydrogen Generator Production by Manufacturer (2018-2023) & (K Units)

Table 19. Production Market Share of Key PEM Water Electrolysis Hydrogen Generator Producers in 2022

Table 20. World PEM Water Electrolysis Hydrogen Generator Average Price by Manufacturer (2018-2023) & (US\$/Unit)

Table 21. Global PEM Water Electrolysis Hydrogen Generator Company Evaluation Quadrant

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

Table 23. Head Office and PEM Water Electrolysis Hydrogen Generator Production Site of Key Manufacturer

Table 24. PEM Water Electrolysis Hydrogen Generator Market: Company Product Type Footprint

Table 25. PEM Water Electrolysis Hydrogen Generator Market: Company Product Application Footprint

Table 26. PEM Water Electrolysis Hydrogen Generator Competitive Factors

Table 27. PEM Water Electrolysis Hydrogen Generator New Entrant and Capacity Expansion Plans

Table 28. PEM Water Electrolysis Hydrogen Generator Mergers & Acquisitions Activity

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

Table 30. United States VS China PEM Water Electrolysis Hydrogen Generator Production Comparison, (2018 & 2022 & 2029) & (K Units)

Table 31. United States VS China PEM Water Electrolysis Hydrogen Generator Consumption Comparison, (2018 & 2022 & 2029) & (K Units)

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

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

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

Table 35. United States Based Manufacturers PEM Water Electrolysis Hydrogen Generator Production (2018-2023) & (K Units)

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

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

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

Table 39. China Based Manufacturers PEM Water Electrolysis Hydrogen Generator



Production Value Market Share (2018-2023)

Table 40. China Based Manufacturers PEM Water Electrolysis Hydrogen Generator Production (2018-2023) & (K Units)

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

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

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

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

Table 45. Rest of World Based Manufacturers PEM Water Electrolysis Hydrogen Generator Production (2018-2023) & (K Units)

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

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

Table 48. World PEM Water Electrolysis Hydrogen Generator Production by Type (2018-2023) & (K Units)

Table 49. World PEM Water Electrolysis Hydrogen Generator Production by Type (2024-2029) & (K Units)

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

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

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

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

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

Table 55. World PEM Water Electrolysis Hydrogen Generator Production by Application (2018-2023) & (K Units)

Table 56. World PEM Water Electrolysis Hydrogen Generator Production by Application (2024-2029) & (K Units)

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

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

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

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

Table 61. Nel Hydrogen Basic Information, Manufacturing Base and Competitors

Table 62. Nel Hydrogen Major Business

Table 63. Nel Hydrogen PEM Water Electrolysis Hydrogen Generator Product and Services

Table 64. Nel Hydrogen PEM Water Electrolysis Hydrogen Generator Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2018-2023)

Table 65. Nel Hydrogen Recent Developments/Updates

Table 66. Nel Hydrogen Competitive Strengths & Weaknesses

Table 67. Plug Power Basic Information, Manufacturing Base and Competitors

Table 68. Plug Power Major Business

Table 69. Plug Power PEM Water Electrolysis Hydrogen Generator Product and Services

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

Table 71. Plug Power Recent Developments/Updates

Table 72. Plug Power Competitive Strengths & Weaknesses

Table 73. Hydrogen Pro Basic Information, Manufacturing Base and Competitors

Table 74. Hydrogen Pro Major Business

Table 75. Hydrogen Pro PEM Water Electrolysis Hydrogen Generator Product and Services

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

Table 77. Hydrogen Pro Recent Developments/Updates

Table 78. Hydrogen Pro Competitive Strengths & Weaknesses

Table 79. Cummins Basic Information, Manufacturing Base and Competitors

Table 80. Cummins Major Business

Table 81. Cummins PEM Water Electrolysis Hydrogen Generator Product and Services

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

Table 83. Cummins Recent Developments/Updates

Table 84. Cummins Competitive Strengths & Weaknesses

Table 85. ITM Power Basic Information, Manufacturing Base and Competitors

Table 86. ITM Power Major Business

Table 87. ITM Power PEM Water Electrolysis Hydrogen Generator Product and Services

Table 88. ITM Power PEM Water Electrolysis Hydrogen Generator Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2018-2023)

Table 89. ITM Power Recent Developments/Updates

Table 90. ITM Power Competitive Strengths & Weaknesses

Table 91. Siemens Energy Basic Information, Manufacturing Base and Competitors

Table 92. Siemens Energy Major Business

Table 93. Siemens Energy PEM Water Electrolysis Hydrogen Generator Product and Services

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

Table 95. Siemens Energy Recent Developments/Updates

Table 96. Siemens Energy Competitive Strengths & Weaknesses

Table 97. Elogen Basic Information, Manufacturing Base and Competitors

Table 98. Elogen Major Business

Table 99. Elogen PEM Water Electrolysis Hydrogen Generator Product and Services

Table 100. Elogen PEM Water Electrolysis Hydrogen Generator Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2018-2023)

Table 101. Elogen Recent Developments/Updates

Table 102. Elogen Competitive Strengths & Weaknesses

Table 103. Hitachi Zosen Basic Information, Manufacturing Base and Competitors

Table 104. Hitachi Zosen Major Business

Table 105. Hitachi Zosen PEM Water Electrolysis Hydrogen Generator Product and Services

Table 106. Hitachi Zosen PEM Water Electrolysis Hydrogen Generator Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2018-2023)

Table 107. Hitachi Zosen Recent Developments/Updates

Table 108. Hitachi Zosen Competitive Strengths & Weaknesses

Table 109. PERIC Hydrogen Teehnologies Basic Information, Manufacturing Base and Competitors

Table 110. PERIC Hydrogen Teehnologies Major Business

Table 111. PERIC Hydrogen Teehnologies PEM Water Electrolysis Hydrogen

## Generator Product and Services

Table 112. PERIC Hydrogen Teehnologies PEM Water Electrolysis Hydrogen Generator Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2018-2023)

Table 113. PERIC Hydrogen Teehnologies Recent Developments/Updates

Table 114. PERIC Hydrogen Teehnologies Competitive Strengths & Weaknesses

Table 115. Sungrow Power Supply Basic Information, Manufacturing Base and Competitors

Table 116. Sungrow Power Supply Major Business

Table 117. Sungrow Power Supply PEM Water Electrolysis Hydrogen Generator Product and Services

Table 118. Sungrow Power Supply PEM Water Electrolysis Hydrogen Generator Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2018-2023)

Table 119. Sungrow Power Supply Recent Developments/Updates

Table 120. Sungrow Power Supply Competitive Strengths & Weaknesses

Table 121. Shandong Saikesaisi Hydrogen Energy Basic Information, Manufacturing Base and Competitors

Table 122. Shandong Saikesaisi Hydrogen Energy Major Business

Table 123. Shandong Saikesaisi Hydrogen Energy PEM Water Electrolysis Hydrogen Generator Product and Services

Table 124. Shandong Saikesaisi Hydrogen Energy PEM Water Electrolysis Hydrogen Generator Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2018-2023)

Table 125. Shandong Saikesaisi Hydrogen Energy Recent Developments/Updates

Table 126. Shandong Saikesaisi Hydrogen Energy Competitive Strengths & Weaknesses

Table 127. Beijing SinoHy Energy Basic Information, Manufacturing Base and Competitors

Table 128. Beijing SinoHy Energy Major Business

Table 129. Beijing SinoHy Energy PEM Water Electrolysis Hydrogen Generator Product and Services

Table 130. Beijing SinoHy Energy PEM Water Electrolysis Hydrogen Generator Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2018-2023)

Table 131. Beijing SinoHy Energy Recent Developments/Updates

Table 132. Beijing SinoHy Energy Competitive Strengths & Weaknesses

Table 133. Jiangsu Guofu Hydrogen Energy Equipment Basic Information, Manufacturing Base and Competitors

- Table 134. Jiangsu Guofu Hydrogen Energy Equipment Major Business
- Table 135. Jiangsu Guofu Hydrogen Energy Equipment PEM Water Electrolysis Hydrogen Generator Product and Services
- Table 136. Jiangsu Guofu Hydrogen Energy Equipment PEM Water Electrolysis Hydrogen Generator Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2018-2023)
- Table 137. Jiangsu Guofu Hydrogen Energy Equipment Recent Developments/Updates
- Table 138. Jiangsu Guofu Hydrogen Energy Equipment Competitive Strengths & Weaknesses
- Table 139. Changchun Lvdong Hydrogen Basic Information, Manufacturing Base and Competitors
- Table 140. Changchun Lvdong Hydrogen Major Business
- Table 141. Changchun Lvdong Hydrogen PEM Water Electrolysis Hydrogen Generator Product and Services
- Table 142. Changchun Lvdong Hydrogen PEM Water Electrolysis Hydrogen Generator Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2018-2023)
- Table 143. Changchun Lvdong Hydrogen Recent Developments/Updates
- Table 144. Changchun Lvdong Hydrogen Competitive Strengths & Weaknesses
- Table 145. KINGHET Basic Information, Manufacturing Base and Competitors
- Table 146. KINGHET Major Business
- Table 147. KINGHET PEM Water Electrolysis Hydrogen Generator Product and Services
- Table 148. KINGHET PEM Water Electrolysis Hydrogen Generator Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2018-2023)
- Table 149. KINGHET Recent Developments/Updates
- Table 150. Shenzhen KyLin TechnoLogY Basic Information, Manufacturing Base and Competitors
- Table 151. Shenzhen KyLin TechnoLogY Major Business
- Table 152. Shenzhen KyLin TechnoLogY PEM Water Electrolysis Hydrogen Generator Product and Services
- Table 153. Shenzhen KyLin TechnoLogY PEM Water Electrolysis Hydrogen Generator Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2018-2023)
- Table 154. Global Key Players of PEM Water Electrolysis Hydrogen Generator Upstream (Raw Materials)
- Table 155. PEM Water Electrolysis Hydrogen Generator Typical Customers
- Table 156. PEM Water Electrolysis Hydrogen Generator Typical Distributors

## LIST OF FIGURE

Figure 1. PEM Water Electrolysis Hydrogen Generator Picture

Figure 2. World PEM Water Electrolysis Hydrogen Generator Production Value: 2018 & 2022 & 2029, (USD Million)

Figure 3. World PEM Water Electrolysis Hydrogen Generator Production Value and Forecast (2018-2029) & (USD Million)

Figure 4. World PEM Water Electrolysis Hydrogen Generator Production (2018-2029) & (K Units)

Figure 5. World PEM Water Electrolysis Hydrogen Generator Average Price (2018-2029) & (US\$/Unit)

Figure 6. World PEM Water Electrolysis Hydrogen Generator Production Value Market Share by Region (2018-2029)

Figure 7. World PEM Water Electrolysis Hydrogen Generator Production Market Share by Region (2018-2029)

Figure 8. North America PEM Water Electrolysis Hydrogen Generator Production (2018-2029) & (K Units)

Figure 9. Europe PEM Water Electrolysis Hydrogen Generator Production (2018-2029) & (K Units)

Figure 10. China PEM Water Electrolysis Hydrogen Generator Production (2018-2029) & (K Units)

Figure 11. Japan PEM Water Electrolysis Hydrogen Generator Production (2018-2029) & (K Units)

Figure 12. PEM Water Electrolysis Hydrogen Generator Market Drivers

Figure 13. Factors Affecting Demand

Figure 14. World PEM Water Electrolysis Hydrogen Generator Consumption (2018-2029) & (K Units)

Figure 15. World PEM Water Electrolysis Hydrogen Generator Consumption Market Share by Region (2018-2029)

Figure 16. United States PEM Water Electrolysis Hydrogen Generator Consumption (2018-2029) & (K Units)

Figure 17. China PEM Water Electrolysis Hydrogen Generator Consumption (2018-2029) & (K Units)

Figure 18. Europe PEM Water Electrolysis Hydrogen Generator Consumption (2018-2029) & (K Units)

Figure 19. Japan PEM Water Electrolysis Hydrogen Generator Consumption (2018-2029) & (K Units)

Figure 20. South Korea PEM Water Electrolysis Hydrogen Generator Consumption

(2018-2029) & (K Units)

Figure 21. ASEAN PEM Water Electrolysis Hydrogen Generator Consumption

(2018-2029) & (K Units)

Figure 22. India PEM Water Electrolysis Hydrogen Generator Consumption (2018-2029) & (K Units)

Figure 23. Producer Shipments of PEM Water Electrolysis Hydrogen Generator by Manufacturer Revenue (\$MM) and Market Share (%): 2022

Figure 24. Global Four-firm Concentration Ratios (CR4) for PEM Water Electrolysis Hydrogen Generator Markets in 2022

Figure 25. Global Four-firm Concentration Ratios (CR8) for PEM Water Electrolysis Hydrogen Generator Markets in 2022

Figure 26. United States VS China: PEM Water Electrolysis Hydrogen Generator Production Value Market Share Comparison (2018 & 2022 & 2029)

Figure 27. United States VS China: PEM Water Electrolysis Hydrogen Generator Production Market Share Comparison (2018 & 2022 & 2029)

Figure 28. United States VS China: PEM Water Electrolysis Hydrogen Generator Consumption Market Share Comparison (2018 & 2022 & 2029)

Figure 29. United States Based Manufacturers PEM Water Electrolysis Hydrogen Generator Production Market Share 2022

Figure 30. China Based Manufacturers PEM Water Electrolysis Hydrogen Generator Production Market Share 2022

Figure 31. Rest of World Based Manufacturers PEM Water Electrolysis Hydrogen Generator Production Market Share 2022

Figure 32. World PEM Water Electrolysis Hydrogen Generator Production Value by Type, (USD Million), 2018 & 2022 & 2029

Figure 33. World PEM Water Electrolysis Hydrogen Generator Production Value Market Share by Type in 2022

Figure 34. Split Installation

Figure 35. All-In-One

Figure 36. Container

Figure 37. World PEM Water Electrolysis Hydrogen Generator Production Market Share by Type (2018-2029)

Figure 38. World PEM Water Electrolysis Hydrogen Generator Production Value Market Share by Type (2018-2029)

Figure 39. World PEM Water Electrolysis Hydrogen Generator Average Price by Type (2018-2029) & (US\$/Unit)

Figure 40. World PEM Water Electrolysis Hydrogen Generator Production Value by Application, (USD Million), 2018 & 2022 & 2029

Figure 41. World PEM Water Electrolysis Hydrogen Generator Production Value Market

Share by Application in 2022

Figure 42. Hydrogen Cooling in Thermal Power Plants

Figure 43. Hydrogen Refueling Station

Figure 44. Photovoltaic

Figure 45. Semiconductor

Figure 46. Others

Figure 47. World PEM Water Electrolysis Hydrogen Generator Production Market Share by Application (2018-2029)

Figure 48. World PEM Water Electrolysis Hydrogen Generator Production Value Market Share by Application (2018-2029)

Figure 49. World PEM Water Electrolysis Hydrogen Generator Average Price by Application (2018-2029) & (US\$/Unit)

Figure 50. PEM Water Electrolysis Hydrogen Generator Industry Chain

Figure 51. PEM Water Electrolysis Hydrogen Generator Procurement Model

Figure 52. PEM Water Electrolysis Hydrogen Generator Sales Model

Figure 53. PEM Water Electrolysis Hydrogen Generator Sales Channels, Direct Sales, and Distribution

Figure 54. Methodology

Figure 55. Research Process and Data Source



## I would like to order

Product name: Global PEM Water Electrolysis Hydrogen Generator Supply, Demand and Key Producers, 2023-2029

Product link: <https://marketpublishers.com/r/G7EC3F620325EN.html>

Price: US\$ 4,480.00 (Single User License / Electronic Delivery)

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

[info@marketpublishers.com](mailto:info@marketpublishers.com)

## Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/G7EC3F620325EN.html>

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**

Customer signature \_\_\_\_\_

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

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

