

# Global PEM Electrolysis Hydrogen Production Equipment Market 2023 by Manufacturers, Regions, Type and Application, Forecast to 2029

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## Abstracts

According to our (Global Info Research) latest study, the global PEM Electrolysis Hydrogen Production Equipment market size was valued at USD million in 2022 and is forecast to a readjusted size of USD million by 2029 with a CAGR of % during review period. The influence of COVID-19 and the Russia-Ukraine War were considered while estimating market sizes.

Hydrogen production by PEM electrolysis of water is one of the main technical routes for producing green hydrogen. Polyfluorosulfonic acid membrane is used as proton exchange membrane, and pure water is used as reactant. It has the characteristics of high hydrogen production purity, simple structure and process, and high safety. At the same time, it has a high degree of compatibility with renewable energy such as photovoltaics and wind power, and has a reverse reaction with the downstream proton exchange membrane hydrogen fuel cell, so it has become a hot spot in the industry.

PEM electrolysis hydrogen production equipment uses direct current to electrolyze pure water into hydrogen and oxygen, and obtains high-purity finished hydrogen after passing through gas-liquid separation and purification equipment. It consists of PEM electrolyzer, gas-liquid separation and purification equipment, and public engineering equipment.

This report is a detailed and comprehensive analysis for global PEM Electrolysis Hydrogen Production Equipment 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 2023, are provided.

#### Key Features:

Global PEM Electrolysis Hydrogen Production Equipment market size and forecasts, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (US\$/Unit), 2018-2029

Global PEM Electrolysis Hydrogen Production Equipment market size and forecasts by region and country, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (US\$/Unit), 2018-2029

Global PEM Electrolysis Hydrogen Production Equipment market size and forecasts, by Type and by Application, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (US\$/Unit), 2018-2029

Global PEM Electrolysis Hydrogen Production Equipment market shares of main players, shipments in revenue (\$ Million), sales quantity (K Units), and ASP (US\$/Unit), 2018-2023

#### 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 PEM Electrolysis Hydrogen Production Equipment

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 PEM Electrolysis Hydrogen Production Equipment 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, Cummins, ITM Power, Siemens Energy AG and PLUG POWER, etc.

This report also provides key insights about market drivers, restraints, opportunities,

new product launches or approvals, COVID-19 and Russia-Ukraine War Influence.

## Market Segmentation

PEM Electrolysis Hydrogen Production Equipment market is split by Type and by Application. For the period 2018-2029, 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

Small

Large

### Market segment by Application

Power Plant

Steel Plant

Electronics And Photovoltaics

Industrial Gases

Energy Storage

Other

### Major players covered

Nel Hydrogen

Cummins

ITM Power

Siemens Energy AG

PLUG POWER

Elogen

Hitachi Zosen

Sungrow Power

Peric Hydrogen Technologies

Shan DONG Saikesaisi Hydrogen ENERGY

Beijing SinoHy Energy

Jiangsu Guofu Hydrogen Energy Equipment

Guangdong Cavoro Hydrogen Technology

Space Science and Technology Institute (Shenzhen)

Shenzhen Hydrogen Times New Energy Technology

Chunhua Hydrogen Energy Technology

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 PEM Electrolysis Hydrogen Production Equipment product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of PEM Electrolysis Hydrogen Production Equipment, with price, sales, revenue and global market share of PEM Electrolysis Hydrogen Production Equipment from 2018 to 2023.

Chapter 3, the PEM Electrolysis Hydrogen Production Equipment competitive situation, sales quantity, revenue and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the PEM Electrolysis Hydrogen Production Equipment breakdown data are shown at the regional level, to show the sales quantity, consumption value and growth by regions, from 2018 to 2029.

Chapter 5 and 6, to segment the sales by Type and application, with sales market share and growth rate by type, application, from 2018 to 2029.

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 2017 to 2022. and PEM Electrolysis Hydrogen Production Equipment market forecast, by regions, type and application, with sales and revenue, from 2024 to 2029.

Chapter 12, market dynamics, drivers, restraints, trends, Porters Five Forces analysis, and Influence of COVID-19 and Russia-Ukraine War.

Chapter 13, the key raw materials and key suppliers, and industry chain of PEM Electrolysis Hydrogen Production Equipment.

Chapter 14 and 15, to describe PEM Electrolysis Hydrogen Production Equipment sales channel, distributors, customers, research findings and conclusion.

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