

Global PEM Electrolysis Hydrogen Production Equipment Supply, Demand and Key Producers, 2023-2029

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Abstracts

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

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 studies the global PEM Electrolysis Hydrogen Production Equipment production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for PEM Electrolysis Hydrogen Production Equipment, 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

Electrolysis Hydrogen Production Equipment that contribute to its increasing demand across many markets.

Highlights and key features of the study

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

Global PEM Electrolysis Hydrogen Production Equipment total production value, 2018-2029, (USD Million)

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

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

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

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

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

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

This reports 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, PLUG POWER, Elogen, Hitachi Zosen, Sungrow Power and Peric Hydrogen Technologies, etc.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals, COVID-19 and Russia-Ukraine War Influence.

Stakeholders would have ease in decision-making through various strategy matrices used in analyzing the World PEM Electrolysis Hydrogen Production Equipment 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 Electrolysis Hydrogen Production Equipment Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

Global PEM Electrolysis Hydrogen Production Equipment Market, Segmentation by Type

Small

Large

Global PEM Electrolysis Hydrogen Production Equipment Market, Segmentation by

Application

Power Plant

Steel Plant

Electronics And Photovoltaics

Industrial Gases

Energy Storage

Other

Companies Profiled:

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

Key Questions Answered

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

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