

Global Hydrogen Electrolyzer Market 2024 by Manufacturers, Regions, Type and Application, Forecast to 2030

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Abstracts

According to our (Global Info Research) latest study, the global Hydrogen Electrolyzer market size was valued at USD 336.9 million in 2023 and is forecast to a readjusted size of USD 1516.1 million by 2030 with a CAGR of 24.0% during review period.

Electrolysis is a promising option for hydrogen production from renewable resources. Electrolysis is the process of using electricity to split water into hydrogen and oxygen. This reaction takes place in a unit called electrolyze. Electrolyzes can range in size from small, appliance-size equipment that is well-suited for small-scale distributed hydrogen production to large-scale, central production facilities that could be tied directly to renewable or other non-greenhouse-gas-emitting forms of electricity production.

Global key hydrogen electrolyzer ???? 718th Research Institute of CSIC, Suzhou Jingli, Proton On-Site etc. The top 4 companies hold a share about 50%. Asia-Pacific is the largest market, with a share about 58%, followed by Europe and North America with the share about 26% and 10%. In terms of product, traditional alkaline electroliser is the largest segment, with a share over 70%. And in terms of application, the largest application is power plants, followed by industrial gases and electronics and photovoltaics.

The Global Info Research report includes an overview of the development of the Hydrogen Electrolyzer industry chain, the market status of Power Plants (Traditional Alkaline Electroliser, PEM Electroliser), Steel Plant (Traditional Alkaline Electroliser, PEM Electroliser), and key enterprises in developed and developing market, and analysed the cutting-edge technology, patent, hot applications and market trends of Hydrogen Electrolyzer.

Regionally, the report analyzes the Hydrogen Electrolyzer markets in key regions. North America and Europe are experiencing steady growth, driven by government initiatives and increasing consumer awareness. Asia-Pacific, particularly China, leads the global Hydrogen Electrolyzer market, with robust domestic demand, supportive policies, and a strong manufacturing base.

Key Features:

The report presents comprehensive understanding of the Hydrogen Electrolyzer market. It provides a holistic view of the industry, as well as detailed insights into individual components and stakeholders. The report analysis market dynamics, trends, challenges, and opportunities within the Hydrogen Electrolyzer industry.

The report involves analyzing the market at a macro level:

Market Sizing and Segmentation: Report collect data on the overall market size, including the sales quantity (Units), revenue generated, and market share of different by Type (e.g., Traditional Alkaline Electroliser, PEM Electroliser).

Industry Analysis: Report analyse the broader industry trends, such as government policies and regulations, technological advancements, consumer preferences, and market dynamics. This analysis helps in understanding the key drivers and challenges influencing the Hydrogen Electrolyzer market.

Regional Analysis: The report involves examining the Hydrogen Electrolyzer market at a regional or national level. Report analyses regional factors such as government incentives, infrastructure development, economic conditions, and consumer behaviour to identify variations and opportunities within different markets.

Market Projections: Report covers the gathered data and analysis to make future projections and forecasts for the Hydrogen Electrolyzer market. This may include estimating market growth rates, predicting market demand, and identifying emerging trends.

The report also involves a more granular approach to Hydrogen Electrolyzer:

Company Analysis: Report covers individual Hydrogen Electrolyzer manufacturers, suppliers, and other relevant industry players. This analysis includes studying their

financial performance, market positioning, product portfolios, partnerships, and strategies.

Consumer Analysis: Report covers data on consumer behaviour, preferences, and attitudes towards Hydrogen Electrolyzer. This may involve surveys, interviews, and analysis of consumer reviews and feedback from different by Application (Power Plants, Steel Plant).

Technology Analysis: Report covers specific technologies relevant to Hydrogen Electrolyzer. It assesses the current state, advancements, and potential future developments in Hydrogen Electrolyzer areas.

Competitive Landscape: By analyzing individual companies, suppliers, and consumers, the report presents insights into the competitive landscape of the Hydrogen Electrolyzer market. This analysis helps understand market share, competitive advantages, and potential areas for differentiation among industry players.

Market Validation: The report involves validating findings and projections through primary research, such as surveys, interviews, and focus groups.

Market Segmentation

Hydrogen Electrolyzer market is split by Type and by Application. For the period 2019-2030, the growth among segments provides accurate calculations and forecasts for consumption value by Type, and by Application in terms of volume and value.

Market segment by Type

Traditional Alkaline Electroliser

PEM Electroliser

Market segment by Application

Power Plants

Steel Plant

Electronics and Photovoltaics

Industrial Gases

Energy Storage or Fueling for FCEV's

Power to Gas

Others

Major players covered

718th Research Institute of CSIC

Suzhou Jingli

Proton On-Site

Cummins

Siemens

Teledyne Energy Systems

EM Solution

McPhy

Nel Hydrogen

Toshiba

TianJin Mainland

Yangzhou Chungdean Hydrogen Equipment

Elogen

Erredue SpA

Kobelco Eco-Solutions

ITM Power

Idroenergy Spa

ShaanXi HuaQin

Beijing Zhongdian

Elchemtech

H2B2

Verde LLC

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 Hydrogen Electrolyzer product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Hydrogen Electrolyzer, with price, sales,

revenue and global market share of Hydrogen Electrolyzer from 2019 to 2024.

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

Chapter 4, the Hydrogen Electrolyzer breakdown data are shown at the regional level, to show the sales quantity, consumption value and growth by regions, from 2019 to 2030.

Chapter 5 and 6, to segment the sales by Type and application, with sales market share and growth rate by type, application, from 2019 to 2030.

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 2023. and Hydrogen Electrolyzer market forecast, by regions, type and application, with sales and revenue, from 2025 to 2030.

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

Chapter 13, the key raw materials and key suppliers, and industry chain of Hydrogen Electrolyzer.

Chapter 14 and 15, to describe Hydrogen Electrolyzer sales channel, distributors, customers, research findings and conclusion.

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