

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

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Abstracts

The global Water Electrolysis Hydrogen Equipment market size is expected to reach \$ 16440 million by 2029, rising at a market growth of 56.6% CAGR during the forecast period (2023-2029).

Global 5 largest manufacturers of Water Electrolysis Hydrogen Equipment are Plug Power, 718th Research Institute of CSIC, ThyssenKrupp, Cockerill Jingli Hydrogen and Shandong Saikesaisi Hydrogen Energy, which make up over 63%. Among them, Plug Power is the leader with about 30 % market share. Asia-Pacific is the largest market, with a share about 55%, followed by Europe and North America, with the share about 22% and 20%. In terms of product type, Alkaline Electrolyzer occupy the largest share of the total market, about 51%. And in terms of product Application, the largest application is Chemical Industry and Refining, followed by Power to Gas.

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.

Note: Electrolyzer stacks are typically sold on a standalone basis and the standalone selling price is the contractual price with the customer. Electrolyzer systems are sold either on a standalone basis or with an extended service agreement and other equipment. Reported statistics are based on electrolyser shipments, unless otherwise stated.

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

This report is a detailed and comprehensive analysis of the world market for Water Electrolysis Hydrogen 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 Water Electrolysis Hydrogen Equipment that contribute to its increasing demand across many markets.

Highlights and key features of the study

Global Water Electrolysis Hydrogen Equipment total production and demand, 2018-2029, (MW)

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

Global Water Electrolysis Hydrogen Equipment production by region & country, production, value, CAGR, 2018-2029, (USD Million) & (MW)

Global Water Electrolysis Hydrogen Equipment consumption by region & country, CAGR, 2018-2029 & (MW)

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

Global Water Electrolysis Hydrogen Equipment production by manufacturer, production, price, value and market share 2018-2023, (USD Million) & (MW)

Global Water Electrolysis Hydrogen Equipment production by Type, production, value, CAGR, 2018-2029, (USD Million) & (MW)

Global Water Electrolysis Hydrogen Equipment production by Application production, value, CAGR, 2018-2029, (USD Million) & (MW).

This reports profiles key players in the global Water Electrolysis Hydrogen 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 Plug Power, 718th Research Institute of CSIC, Sungrow Power Supply, Longi Green Energy Technology, ThyssenKrupp, Nel Hydrogen, Cockerill Jingli Hydrogen, Hydrogen Pro and TianJin Mainland, 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 Water Electrolysis Hydrogen Equipment market.

Detailed Segmentation:

Each section contains quantitative market data including market by value (US\$ Millions), volume (production, consumption) & (MW) and average price (US\$/KW) 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 Water Electrolysis Hydrogen Equipment Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

Global Water Electrolysis Hydrogen Equipment Market, Segmentation by Type

PEM Electrolyzer

Alkaline Electrolyzer

Others

Global Water Electrolysis Hydrogen Equipment Market, Segmentation by Application

Chemical Industry and Refining

Power to Gas

Hydrogen Refueling Station

Power Industry

Electronics and Semiconductor

Steel Plant

Others

Companies Profiled:

Plug Power

718th Research Institute of CSIC

Sungrow Power Supply

Longi Green Energy Technology

ThyssenKrupp

Nel Hydrogen

Cockerill Jingli Hydrogen

Hydrogen Pro

TianJin Mainland

SANY Hydrogen

Siemens

Yangzhou Chungdean Hydrogen Equipment

McPhy

Beijing Zhongdian

Cummins

Shandong Saikesaisi Hydrogen Energy

Shenzhen Kohodo Hydrogen Energy

CPU Hydrogen Power

H2B2

ShaanXi HuaQin

Sunfire

Teledyne Energy Systems

Jiangsu Guofu Hydrogen Energy Equipment

EM Solution

China NewGas Energy Technology

Toshiba

Elogen

ITM Power

Kobelco Eco-Solutions

Elchemtech

Key Questions Answered

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

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