

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

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Abstracts

The global Water Electrolysis market size is expected to reach \$ 3621.4 million by 2029, rising at a market growth of 34.9% CAGR during the forecast period (2023-2029).

Global key players of water electrolysis include 718th Research Institute of CSIC and Proton On-Site. The top two players hold a share about 26%. The global origin is mainly located in North America, Europe, China, Japan and Korea. In terms of product, traditional alkaline electroliser is the largest segment, with a share about 70%. And in terms of application, the largest application is energy storage or fueling for FCEV's, with a share about 26%.

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.

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

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

Highlights and key features of the study

Global Water Electrolysis total production and demand, 2018-2029, (Units)

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

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

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

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

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

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

Global Water Electrolysis production by Application production, value, CAGR, 2018-2029, (USD Million) & (Units)

This reports profiles key players in the global Water Electrolysis 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 718th Research Institute of CSIC, Suzhou Jingli, Proton On-Site, Cummins, Siemens, Teledyne Energy Systems, EM Solution, McPhy and Nel Hydrogen, 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 market

Detailed Segmentation:

Each section contains quantitative market data including market by value (US\$

Millions), volume (production, consumption) & (Units) and average price (K USD/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 Water Electrolysis Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

Global Water Electrolysis Market, Segmentation by Type

Traditional Alkaline Electrolyser

PEM Electrolyser

Global Water Electrolysis Market, Segmentation by Application

Power Plants

Steel Plant

Electronics and Photovoltaics

Industrial Gases

Energy Storage or Fueling for FCEV's

Power to Gas

Others

Companies Profiled:

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

Key Questions Answered

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

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