

# Global Water Electrolysis Market 2026 by Manufacturers, Regions, Type and Application, Forecast to 2032

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## Abstracts

According to our (Global Info Research) latest study, the global Water Electrolysis market size was valued at US\$ 2362 million in 2025 and is forecast to a readjusted size of US\$ 39480 million by 2032 with a CAGR of 50.1% 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.

Hydrogen energy is a secondary energy source with abundant sources, green and low carbon, and wide applications. It is being regarded as an important carrier for achieving energy transformation. Governments of various countries have successively positioned hydrogen energy as an important part of the future national energy system and an important carrier for energy users to achieve green and low-carbon transformation. Major countries and regions in the world, such as Europe and the United States, have elevated the development of hydrogen energy to the level of national economic development strategies, and have successively introduced hydrogen energy development plans and incentive mechanisms in the past two years. In recent years, at least hundreds of companies have entered the hydrogen energy industry, and the market has maintained an extremely high growth rate. It is expected that hydrogen vehicles, hydrogen refueling stations, hydrogen storage and transportation, electrolyzers, etc. will bring trillions of dollars in market demand in the future.

The main manufacturers in the global water electrolysis market include PERIC Hydrogen Technologies, Nel Hydrogen, Longi Green Energy Technology, Sungrow Power Supply, Hydrogen Pro and Plug Power. The first echelon accounts for more than 40% of the market share.

This report is a detailed and comprehensive analysis for global Water Electrolysis 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 2025, are provided.

### **Key Features:**

Global Water Electrolysis market size and forecasts, in consumption value (\$ Million), sales quantity (Units), and average selling prices (K US\$/Unit), 2021-2032

Global Water Electrolysis market size and forecasts by region and country, in consumption value (\$ Million), sales quantity (Units), and average selling prices (K US\$/Unit), 2021-2032

Global Water Electrolysis market size and forecasts, by Type and by Application, in consumption value (\$ Million), sales quantity (Units), and average selling prices (K US\$/Unit), 2021-2032

Global Water Electrolysis market shares of main players, shipments in revenue (\$ Million), sales quantity (Units), and ASP (K US\$/Unit), 2021-2026

### **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 Water Electrolysis

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 Water Electrolysis market based on the following parameters - company overview, sales quantity, revenue, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include PERIC Hydrogen Technologies, Nel Hydrogen,

Longi Green Energy Technology, Sungrow Power Supply, Hydrogen Pro, Plug Power, Siemens, Cockerill Jingli Hydrogen, ThyssenKrupp, Sunfire, etc.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals.

## **Market Segmentation**

Water Electrolysis market is split by Type and by Application. For the period 2021-2032, 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

PEM Electrolyzer

Alkaline Electrolyzer

Others

### Market segment by Application

Power to Gas

Chemical Industry and Refining

Metallurgy and Steel Industry

Hydrogen Refueling Station

Power Industry

Electronics and Semiconductor

Others

## Major players covered

PERIC Hydrogen Technologies

Nel Hydrogen

Longi Green Energy Technology

Sungrow Power Supply

Hydrogen Pro

Plug Power

Siemens

Cockerill Jingli Hydrogen

ThyssenKrupp

Sunfire

McPhy

SANY Hydrogen

TianJin Mainland

Beijing Zhongdian

Cummins

CIMC GH2 Technology

ShaanXi HuaQin

Verde Hydrogen

SPIC Hydrogen Technology

Teledyne Energy Systems

EM Solution

H2B2

Shandong Saikesaisi Hydrogen Energy

China NewGas Energy Technology

Elogen

CPU Hydrogen Power

Kobelco Eco-Solutions

Toshiba

Elchemtech

ITM Power

Ohmium

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 Water Electrolysis product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Water Electrolysis, with price, sales quantity, revenue, and global market share of Water Electrolysis from 2021 to 2026.

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

Chapter 4, the Water Electrolysis breakdown data are shown at the regional level, to show the sales quantity, consumption value, and growth by regions, from 2021 to 2032.

Chapter 5 and 6, to segment the sales by Type and by Application, with sales market share and growth rate by Type, by Application, from 2021 to 2032.

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 2021 to 2026. and Water Electrolysis market forecast, by regions, by Type, and by Application, with sales and revenue, from 2027 to 2032.

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 Water Electrolysis.

Chapter 14 and 15, to describe Water Electrolysis sales channel, distributors, customers, research findings and conclusion.

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