

Global Electrolyzer Market 2025 by Manufacturers, Regions, Type and Application, Forecast to 2031

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Abstracts

According to our (Global Info Research) latest study, the global Electrolyzer market size was valued at US\$ 316 million in 2024 and is forecast to a readjusted size of USD 1006 million by 2031 with a CAGR of 18.2% 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 core Electrolyzer manufacturers include 718th Research Institute of CSIC, Proton On-Site etc. The top 3 companies hold a share about 35%. Asia Pacific is the largest market, with a share about 45%, followed by Europe and North America with the share about 30% and 15%.

This report is a detailed and comprehensive analysis for global Electrolyzer 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 Electrolyzer market size and forecasts, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (USD/Unit), 2020-2031

Global Electrolyzer market size and forecasts by region and country, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (USD/Unit), 2020-2031

Global Electrolyzer market size and forecasts, by Type and by Application, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (USD/Unit), 2020-2031

Global Electrolyzer market shares of main players, shipments in revenue (\$ Million), sales quantity (K Units), and ASP (USD/Unit), 2020-2025

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 Electrolyzer
- To forecast future growth in each product and end-use market
- To forecast future factors affecting the marketplace

This report profiles key players in the global Electrolyzer 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 Cummins, Teledyne Energy Systems, Suzhou Jingli, McPhy, TianJin Mainland, Siemens, Nel Hydrogen, Toshiba, Yangzhou Chungdean Hydrogen Equipment, Elogen, etc.

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

Market Segmentation

Electrolyzer market is split by Type and by Application. For the period 2020-2031, 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

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

Cummins

Teledyne Energy Systems

Suzhou Jingli

McPhy

TianJin Mainland

Siemens

Nel Hydrogen

Toshiba

Yangzhou Chungdean Hydrogen Equipment

Elogen

ITM Power

Idroenergy Spa

Erredue SpA

Kobelco Eco-Solutions

ShaanXi HuaQin

EM Solution

Beijing Zhongdian

H2B2

Elchemtech

Verde LLC

Shandong Saksay Hydrogen Energy

Asahi Kasei

ELB Elektrolyse technik GmbH

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

Chapter 2, to profile the top manufacturers of Electrolyzer, with price, sales quantity, revenue, and global market share of Electrolyzer from 2020 to 2025.

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

Chapter 4, the Electrolyzer breakdown data are shown at the regional level, to show the sales quantity, consumption value, and growth by regions, from 2020 to 2031.

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 2020 to 2031.

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 2020 to 2025. and Electrolyzer market forecast, by regions, by Type, and by Application, with sales and revenue, from 2026 to 2031.

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 Electrolyzer.

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

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