

Global Water Electrolysis Hydrogen Equipment 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 Water Electrolysis Hydrogen Equipment market size was valued at USD 712.2 million in 2023 and is forecast to a readjusted size of USD 16440 million by 2030 with a CAGR of 56.6% 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.

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.

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.

The Global Info Research report includes an overview of the development of the Water Electrolysis Hydrogen Equipment industry chain, the market status of Chemical Industry and Refining (PEM Electrolyzer, Alkaline Electrolyzer), Power to Gas (PEM Electrolyzer, Alkaline Electrolyzer), and key enterprises in developed and developing market, and analysed the cutting-edge technology, patent, hot applications and market trends of Water Electrolysis Hydrogen Equipment.

Regionally, the report analyzes the Water Electrolysis Hydrogen Equipment 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 Water Electrolysis Hydrogen Equipment market, with robust domestic demand, supportive policies, and a strong manufacturing base.

Key Features:

The report presents comprehensive understanding of the Water Electrolysis Hydrogen Equipment 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 Water Electrolysis Hydrogen Equipment 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 (MW), revenue generated, and market share of different by Type (e.g., PEM Electrolyzer, Alkaline Electrolyzer).

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 Water Electrolysis Hydrogen Equipment market.

Regional Analysis: The report involves examining the Water Electrolysis Hydrogen Equipment 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 Water Electrolysis Hydrogen Equipment market. This may include estimating market growth rates, predicting market demand, and identifying emerging trends.

The report also involves a more granular approach to Water Electrolysis Hydrogen Equipment:

Company Analysis: Report covers individual Water Electrolysis Hydrogen Equipment 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 Water Electrolysis Hydrogen Equipment This may involve surveys, interviews, and analysis of consumer reviews and feedback from different by Application (Chemical Industry and Refining, Power to Gas).

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

Competitive Landscape: By analyzing individual companies, suppliers, and consumers, the report present insights into the competitive landscape of the Water Electrolysis Hydrogen Equipment 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

Water Electrolysis Hydrogen Equipment 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



	PEM Electrolyzer	
	Alkaline Electrolyzer	
	Others	
Market	t segment by Application	
	Chemical Industry and Refining	
	Power to Gas	
	Hydrogen Refueling Station	
	Power Industry	
	Electronics and Semiconductor	
	Steel Plant	
	Others	
Major players covered		
	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 Equipmer	nt	
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

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

Chapter 2, to profile the top manufacturers of Water Electrolysis Hydrogen Equipment, with price, sales, revenue and global market share of Water Electrolysis Hydrogen Equipment from 2019 to 2024.

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

Chapter 4, the Water Electrolysis Hydrogen Equipment 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 Water Electrolysis Hydrogen Equipment 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 Water Electrolysis Hydrogen Equipment.

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



Contents

1 MARKET OVERVIEW

- 1.1 Product Overview and Scope of Water Electrolysis Hydrogen Equipment
- 1.2 Market Estimation Caveats and Base Year
- 1.3 Market Analysis by Type
 - 1.3.1 Overview: Global Water Electrolysis Hydrogen Equipment Consumption Value by
- Type: 2019 Versus 2023 Versus 2030
 - 1.3.2 PEM Electrolyzer
 - 1.3.3 Alkaline Electrolyzer
 - 1.3.4 Others
- 1.4 Market Analysis by Application
- 1.4.1 Overview: Global Water Electrolysis Hydrogen Equipment Consumption Value by
- Application: 2019 Versus 2023 Versus 2030
 - 1.4.2 Chemical Industry and Refining
 - 1.4.3 Power to Gas
 - 1.4.4 Hydrogen Refueling Station
 - 1.4.5 Power Industry
 - 1.4.6 Electronics and Semiconductor
 - 1.4.7 Steel Plant
 - 1.4.8 Others
- 1.5 Global Water Electrolysis Hydrogen Equipment Market Size & Forecast
- 1.5.1 Global Water Electrolysis Hydrogen Equipment Consumption Value (2019 & 2023 & 2030)
 - 1.5.2 Global Water Electrolysis Hydrogen Equipment Sales Quantity (2019-2030)
 - 1.5.3 Global Water Electrolysis Hydrogen Equipment Average Price (2019-2030)

2 MANUFACTURERS PROFILES

- 2.1 Plug Power
 - 2.1.1 Plug Power Details
 - 2.1.2 Plug Power Major Business
 - 2.1.3 Plug Power Water Electrolysis Hydrogen Equipment Product and Services
 - 2.1.4 Plug Power Water Electrolysis Hydrogen Equipment Sales Quantity, Average
- Price, Revenue, Gross Margin and Market Share (2019-2024)
 - 2.1.5 Plug Power Recent Developments/Updates
- 2.2 718th Research Institute of CSIC
- 2.2.1 718th Research Institute of CSIC Details



- 2.2.2 718th Research Institute of CSIC Major Business
- 2.2.3 718th Research Institute of CSIC Water Electrolysis Hydrogen Equipment Product and Services
- 2.2.4 718th Research Institute of CSIC Water Electrolysis Hydrogen Equipment Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2019-2024)
 - 2.2.5 718th Research Institute of CSIC Recent Developments/Updates
- 2.3 Sungrow Power Supply
 - 2.3.1 Sungrow Power Supply Details
 - 2.3.2 Sungrow Power Supply Major Business
- 2.3.3 Sungrow Power Supply Water Electrolysis Hydrogen Equipment Product and Services
- 2.3.4 Sungrow Power Supply Water Electrolysis Hydrogen Equipment Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2019-2024)
- 2.3.5 Sungrow Power Supply Recent Developments/Updates
- 2.4 Longi Green Energy Technology
 - 2.4.1 Longi Green Energy Technology Details
 - 2.4.2 Longi Green Energy Technology Major Business
- 2.4.3 Longi Green Energy Technology Water Electrolysis Hydrogen Equipment Product and Services
- 2.4.4 Longi Green Energy Technology Water Electrolysis Hydrogen Equipment Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2019-2024)
 - 2.4.5 Longi Green Energy Technology Recent Developments/Updates
- 2.5 ThyssenKrupp
 - 2.5.1 ThyssenKrupp Details
 - 2.5.2 ThyssenKrupp Major Business
 - 2.5.3 ThyssenKrupp Water Electrolysis Hydrogen Equipment Product and Services
- 2.5.4 ThyssenKrupp Water Electrolysis Hydrogen Equipment Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2019-2024)
 - 2.5.5 ThyssenKrupp Recent Developments/Updates
- 2.6 Nel Hydrogen
 - 2.6.1 Nel Hydrogen Details
 - 2.6.2 Nel Hydrogen Major Business
 - 2.6.3 Nel Hydrogen Water Electrolysis Hydrogen Equipment Product and Services
- 2.6.4 Nel Hydrogen Water Electrolysis Hydrogen Equipment Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2019-2024)
 - 2.6.5 Nel Hydrogen Recent Developments/Updates
- 2.7 Cockerill Jingli Hydrogen
 - 2.7.1 Cockerill Jingli Hydrogen Details
 - 2.7.2 Cockerill Jingli Hydrogen Major Business



- 2.7.3 Cockerill Jingli Hydrogen Water Electrolysis Hydrogen Equipment Product and Services
- 2.7.4 Cockerill Jingli Hydrogen Water Electrolysis Hydrogen Equipment Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2019-2024)
 - 2.7.5 Cockerill Jingli Hydrogen Recent Developments/Updates
- 2.8 Hydrogen Pro
 - 2.8.1 Hydrogen Pro Details
 - 2.8.2 Hydrogen Pro Major Business
 - 2.8.3 Hydrogen Pro Water Electrolysis Hydrogen Equipment Product and Services
 - 2.8.4 Hydrogen Pro Water Electrolysis Hydrogen Equipment Sales Quantity, Average
- Price, Revenue, Gross Margin and Market Share (2019-2024)
- 2.8.5 Hydrogen Pro Recent Developments/Updates
- 2.9 TianJin Mainland
 - 2.9.1 TianJin Mainland Details
 - 2.9.2 TianJin Mainland Major Business
 - 2.9.3 TianJin Mainland Water Electrolysis Hydrogen Equipment Product and Services
 - 2.9.4 TianJin Mainland Water Electrolysis Hydrogen Equipment Sales Quantity,

Average Price, Revenue, Gross Margin and Market Share (2019-2024)

- 2.9.5 TianJin Mainland Recent Developments/Updates
- 2.10 SANY Hydrogen
 - 2.10.1 SANY Hydrogen Details
 - 2.10.2 SANY Hydrogen Major Business
 - 2.10.3 SANY Hydrogen Water Electrolysis Hydrogen Equipment Product and Services
 - 2.10.4 SANY Hydrogen Water Electrolysis Hydrogen Equipment Sales Quantity,

Average Price, Revenue, Gross Margin and Market Share (2019-2024)

- 2.10.5 SANY Hydrogen Recent Developments/Updates
- 2.11 Siemens
 - 2.11.1 Siemens Details
 - 2.11.2 Siemens Major Business
 - 2.11.3 Siemens Water Electrolysis Hydrogen Equipment Product and Services
- 2.11.4 Siemens Water Electrolysis Hydrogen Equipment Sales Quantity, Average

Price, Revenue, Gross Margin and Market Share (2019-2024)

- 2.11.5 Siemens Recent Developments/Updates
- 2.12 Yangzhou Chungdean Hydrogen Equipment
 - 2.12.1 Yangzhou Chungdean Hydrogen Equipment Details
 - 2.12.2 Yangzhou Chungdean Hydrogen Equipment Major Business
- 2.12.3 Yangzhou Chungdean Hydrogen Equipment Water Electrolysis Hydrogen Equipment Product and Services
- 2.12.4 Yangzhou Chungdean Hydrogen Equipment Water Electrolysis Hydrogen



Equipment Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2019-2024)

- 2.12.5 Yangzhou Chungdean Hydrogen Equipment Recent Developments/Updates
- 2.13 McPhy
 - 2.13.1 McPhy Details
 - 2.13.2 McPhy Major Business
 - 2.13.3 McPhy Water Electrolysis Hydrogen Equipment Product and Services
- 2.13.4 McPhy Water Electrolysis Hydrogen Equipment Sales Quantity, Average Price,

Revenue, Gross Margin and Market Share (2019-2024)

- 2.13.5 McPhy Recent Developments/Updates
- 2.14 Beijing Zhongdian
 - 2.14.1 Beijing Zhongdian Details
 - 2.14.2 Beijing Zhongdian Major Business
- 2.14.3 Beijing Zhongdian Water Electrolysis Hydrogen Equipment Product and Services
- 2.14.4 Beijing Zhongdian Water Electrolysis Hydrogen Equipment Sales Quantity,

Average Price, Revenue, Gross Margin and Market Share (2019-2024)

- 2.14.5 Beijing Zhongdian Recent Developments/Updates
- 2.15 Cummins
 - 2.15.1 Cummins Details
 - 2.15.2 Cummins Major Business
 - 2.15.3 Cummins Water Electrolysis Hydrogen Equipment Product and Services
 - 2.15.4 Cummins Water Electrolysis Hydrogen Equipment Sales Quantity, Average

Price, Revenue, Gross Margin and Market Share (2019-2024)

- 2.15.5 Cummins Recent Developments/Updates
- 2.16 Shandong Saikesaisi Hydrogen Energy
 - 2.16.1 Shandong Saikesaisi Hydrogen Energy Details
 - 2.16.2 Shandong Saikesaisi Hydrogen Energy Major Business
- 2.16.3 Shandong Saikesaisi Hydrogen Energy Water Electrolysis Hydrogen Equipment Product and Services
- 2.16.4 Shandong Saikesaisi Hydrogen Energy Water Electrolysis Hydrogen Equipment Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2019-2024)
- 2.16.5 Shandong Saikesaisi Hydrogen Energy Recent Developments/Updates
- 2.17 Shenzhen Kohodo Hydrogen Energy
 - 2.17.1 Shenzhen Kohodo Hydrogen Energy Details
 - 2.17.2 Shenzhen Kohodo Hydrogen Energy Major Business
- 2.17.3 Shenzhen Kohodo Hydrogen Energy Water Electrolysis Hydrogen Equipment Product and Services
- 2.17.4 Shenzhen Kohodo Hydrogen Energy Water Electrolysis Hydrogen Equipment



Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2019-2024)

- 2.17.5 Shenzhen Kohodo Hydrogen Energy Recent Developments/Updates
- 2.18 CPU Hydrogen Power
 - 2.18.1 CPU Hydrogen Power Details
 - 2.18.2 CPU Hydrogen Power Major Business
- 2.18.3 CPU Hydrogen Power Water Electrolysis Hydrogen Equipment Product and Services
- 2.18.4 CPU Hydrogen Power Water Electrolysis Hydrogen Equipment Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2019-2024)
- 2.18.5 CPU Hydrogen Power Recent Developments/Updates
- 2.19 H2B2
 - 2.19.1 H2B2 Details
 - 2.19.2 H2B2 Major Business
 - 2.19.3 H2B2 Water Electrolysis Hydrogen Equipment Product and Services
- 2.19.4 H2B2 Water Electrolysis Hydrogen Equipment Sales Quantity, Average Price,

Revenue, Gross Margin and Market Share (2019-2024)

- 2.19.5 H2B2 Recent Developments/Updates
- 2.20 ShaanXi HuaQin
 - 2.20.1 ShaanXi HuaQin Details
 - 2.20.2 ShaanXi HuaQin Major Business
 - 2.20.3 ShaanXi HuaQin Water Electrolysis Hydrogen Equipment Product and Services
 - 2.20.4 ShaanXi HuaQin Water Electrolysis Hydrogen Equipment Sales Quantity,

Average Price, Revenue, Gross Margin and Market Share (2019-2024)

- 2.20.5 ShaanXi HuaQin Recent Developments/Updates
- 2.21 Sunfire
 - 2.21.1 Sunfire Details
 - 2.21.2 Sunfire Major Business
 - 2.21.3 Sunfire Water Electrolysis Hydrogen Equipment Product and Services
 - 2.21.4 Sunfire Water Electrolysis Hydrogen Equipment Sales Quantity, Average Price,

Revenue, Gross Margin and Market Share (2019-2024)

- 2.21.5 Sunfire Recent Developments/Updates
- 2.22 Teledyne Energy Systems
 - 2.22.1 Teledyne Energy Systems Details
 - 2.22.2 Teledyne Energy Systems Major Business
- 2.22.3 Teledyne Energy Systems Water Electrolysis Hydrogen Equipment Product and Services
- 2.22.4 Teledyne Energy Systems Water Electrolysis Hydrogen Equipment Sales
- Quantity, Average Price, Revenue, Gross Margin and Market Share (2019-2024)
 - 2.22.5 Teledyne Energy Systems Recent Developments/Updates



- 2.23 Jiangsu Guofu Hydrogen Energy Equipment
 - 2.23.1 Jiangsu Guofu Hydrogen Energy Equipment Details
 - 2.23.2 Jiangsu Guofu Hydrogen Energy Equipment Major Business
- 2.23.3 Jiangsu Guofu Hydrogen Energy Equipment Water Electrolysis Hydrogen Equipment Product and Services
- 2.23.4 Jiangsu Guofu Hydrogen Energy Equipment Water Electrolysis Hydrogen Equipment Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2019-2024)
- 2.23.5 Jiangsu Guofu Hydrogen Energy Equipment Recent Developments/Updates 2.24 EM Solution
 - 2.24.1 EM Solution Details
 - 2.24.2 EM Solution Major Business
 - 2.24.3 EM Solution Water Electrolysis Hydrogen Equipment Product and Services
- 2.24.4 EM Solution Water Electrolysis Hydrogen Equipment Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2019-2024)
- 2.24.5 EM Solution Recent Developments/Updates
- 2.25 China NewGas Energy Technology
 - 2.25.1 China NewGas Energy Technology Details
- 2.25.2 China NewGas Energy Technology Major Business
- 2.25.3 China NewGas Energy Technology Water Electrolysis Hydrogen Equipment Product and Services
- 2.25.4 China NewGas Energy Technology Water Electrolysis Hydrogen Equipment Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2019-2024)
- 2.25.5 China NewGas Energy Technology Recent Developments/Updates
- 2.26 Toshiba
 - 2.26.1 Toshiba Details
 - 2.26.2 Toshiba Major Business
 - 2.26.3 Toshiba Water Electrolysis Hydrogen Equipment Product and Services
 - 2.26.4 Toshiba Water Electrolysis Hydrogen Equipment Sales Quantity, Average
- Price, Revenue, Gross Margin and Market Share (2019-2024)
- 2.26.5 Toshiba Recent Developments/Updates
- 2.27 Elogen
 - 2.27.1 Elogen Details
 - 2.27.2 Elogen Major Business
 - 2.27.3 Elogen Water Electrolysis Hydrogen Equipment Product and Services
 - 2.27.4 Elogen Water Electrolysis Hydrogen Equipment Sales Quantity, Average Price,
- Revenue, Gross Margin and Market Share (2019-2024)
- 2.27.5 Elogen Recent Developments/Updates
- 2.28 ITM Power



- 2.28.1 ITM Power Details
- 2.28.2 ITM Power Major Business
- 2.28.3 ITM Power Water Electrolysis Hydrogen Equipment Product and Services
- 2.28.4 ITM Power Water Electrolysis Hydrogen Equipment Sales Quantity, Average

Price, Revenue, Gross Margin and Market Share (2019-2024)

- 2.28.5 ITM Power Recent Developments/Updates
- 2.29 Kobelco Eco-Solutions
 - 2.29.1 Kobelco Eco-Solutions Details
 - 2.29.2 Kobelco Eco-Solutions Major Business
- 2.29.3 Kobelco Eco-Solutions Water Electrolysis Hydrogen Equipment Product and Services
- 2.29.4 Kobelco Eco-Solutions Water Electrolysis Hydrogen Equipment Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2019-2024)
- 2.29.5 Kobelco Eco-Solutions Recent Developments/Updates
- 2.30 Elchemtech
 - 2.30.1 Elchemtech Details
 - 2.30.2 Elchemtech Major Business
 - 2.30.3 Elchemtech Water Electrolysis Hydrogen Equipment Product and Services
- 2.30.4 Elchemtech Water Electrolysis Hydrogen Equipment Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2019-2024)

2.30.5 Elchemtech Recent Developments/Updates

3 COMPETITIVE ENVIRONMENT: WATER ELECTROLYSIS HYDROGEN EQUIPMENT BY MANUFACTURER

- 3.1 Global Water Electrolysis Hydrogen Equipment Sales Quantity by Manufacturer (2019-2024)
- 3.2 Global Water Electrolysis Hydrogen Equipment Revenue by Manufacturer (2019-2024)
- 3.3 Global Water Electrolysis Hydrogen Equipment Average Price by Manufacturer (2019-2024)
- 3.4 Market Share Analysis (2023)
- 3.4.1 Producer Shipments of Water Electrolysis Hydrogen Equipment by Manufacturer Revenue (\$MM) and Market Share (%): 2023
- 3.4.2 Top 3 Water Electrolysis Hydrogen Equipment Manufacturer Market Share in 2023
- 3.4.2 Top 6 Water Electrolysis Hydrogen Equipment Manufacturer Market Share in 2023
- 3.5 Water Electrolysis Hydrogen Equipment Market: Overall Company Footprint



Analysis

- 3.5.1 Water Electrolysis Hydrogen Equipment Market: Region Footprint
- 3.5.2 Water Electrolysis Hydrogen Equipment Market: Company Product Type Footprint
- 3.5.3 Water Electrolysis Hydrogen Equipment Market: Company Product Application Footprint
- 3.6 New Market Entrants and Barriers to Market Entry
- 3.7 Mergers, Acquisition, Agreements, and Collaborations

4 CONSUMPTION ANALYSIS BY REGION

- 4.1 Global Water Electrolysis Hydrogen Equipment Market Size by Region
- 4.1.1 Global Water Electrolysis Hydrogen Equipment Sales Quantity by Region (2019-2030)
- 4.1.2 Global Water Electrolysis Hydrogen Equipment Consumption Value by Region (2019-2030)
- 4.1.3 Global Water Electrolysis Hydrogen Equipment Average Price by Region (2019-2030)
- 4.2 North America Water Electrolysis Hydrogen Equipment Consumption Value (2019-2030)
- 4.3 Europe Water Electrolysis Hydrogen Equipment Consumption Value (2019-2030)
- 4.4 Asia-Pacific Water Electrolysis Hydrogen Equipment Consumption Value (2019-2030)
- 4.5 South America Water Electrolysis Hydrogen Equipment Consumption Value (2019-2030)
- 4.6 Middle East and Africa Water Electrolysis Hydrogen Equipment Consumption Value (2019-2030)

5 MARKET SEGMENT BY TYPE

- 5.1 Global Water Electrolysis Hydrogen Equipment Sales Quantity by Type (2019-2030)
- 5.2 Global Water Electrolysis Hydrogen Equipment Consumption Value by Type (2019-2030)
- 5.3 Global Water Electrolysis Hydrogen Equipment Average Price by Type (2019-2030)

6 MARKET SEGMENT BY APPLICATION

6.1 Global Water Electrolysis Hydrogen Equipment Sales Quantity by Application (2019-2030)



- 6.2 Global Water Electrolysis Hydrogen Equipment Consumption Value by Application (2019-2030)
- 6.3 Global Water Electrolysis Hydrogen Equipment Average Price by Application (2019-2030)

7 NORTH AMERICA

- 7.1 North America Water Electrolysis Hydrogen Equipment Sales Quantity by Type (2019-2030)
- 7.2 North America Water Electrolysis Hydrogen Equipment Sales Quantity by Application (2019-2030)
- 7.3 North America Water Electrolysis Hydrogen Equipment Market Size by Country
- 7.3.1 North America Water Electrolysis Hydrogen Equipment Sales Quantity by Country (2019-2030)
- 7.3.2 North America Water Electrolysis Hydrogen Equipment Consumption Value by Country (2019-2030)
 - 7.3.3 United States Market Size and Forecast (2019-2030)
 - 7.3.4 Canada Market Size and Forecast (2019-2030)
 - 7.3.5 Mexico Market Size and Forecast (2019-2030)

8 EUROPE

- 8.1 Europe Water Electrolysis Hydrogen Equipment Sales Quantity by Type (2019-2030)
- 8.2 Europe Water Electrolysis Hydrogen Equipment Sales Quantity by Application (2019-2030)
- 8.3 Europe Water Electrolysis Hydrogen Equipment Market Size by Country
- 8.3.1 Europe Water Electrolysis Hydrogen Equipment Sales Quantity by Country (2019-2030)
- 8.3.2 Europe Water Electrolysis Hydrogen Equipment Consumption Value by Country (2019-2030)
 - 8.3.3 Germany Market Size and Forecast (2019-2030)
 - 8.3.4 France Market Size and Forecast (2019-2030)
 - 8.3.5 United Kingdom Market Size and Forecast (2019-2030)
 - 8.3.6 Russia Market Size and Forecast (2019-2030)
 - 8.3.7 Italy Market Size and Forecast (2019-2030)

9 ASIA-PACIFIC



- 9.1 Asia-Pacific Water Electrolysis Hydrogen Equipment Sales Quantity by Type (2019-2030)
- 9.2 Asia-Pacific Water Electrolysis Hydrogen Equipment Sales Quantity by Application (2019-2030)
- 9.3 Asia-Pacific Water Electrolysis Hydrogen Equipment Market Size by Region
- 9.3.1 Asia-Pacific Water Electrolysis Hydrogen Equipment Sales Quantity by Region (2019-2030)
- 9.3.2 Asia-Pacific Water Electrolysis Hydrogen Equipment Consumption Value by Region (2019-2030)
 - 9.3.3 China Market Size and Forecast (2019-2030)
 - 9.3.4 Japan Market Size and Forecast (2019-2030)
 - 9.3.5 Korea Market Size and Forecast (2019-2030)
 - 9.3.6 India Market Size and Forecast (2019-2030)
 - 9.3.7 Southeast Asia Market Size and Forecast (2019-2030)
- 9.3.8 Australia Market Size and Forecast (2019-2030)

10 SOUTH AMERICA

- 10.1 South America Water Electrolysis Hydrogen Equipment Sales Quantity by Type (2019-2030)
- 10.2 South America Water Electrolysis Hydrogen Equipment Sales Quantity by Application (2019-2030)
- 10.3 South America Water Electrolysis Hydrogen Equipment Market Size by Country 10.3.1 South America Water Electrolysis Hydrogen Equipment Sales Quantity by Country (2019-2030)
- 10.3.2 South America Water Electrolysis Hydrogen Equipment Consumption Value by Country (2019-2030)
 - 10.3.3 Brazil Market Size and Forecast (2019-2030)
 - 10.3.4 Argentina Market Size and Forecast (2019-2030)

11 MIDDLE EAST & AFRICA

- 11.1 Middle East & Africa Water Electrolysis Hydrogen Equipment Sales Quantity by Type (2019-2030)
- 11.2 Middle East & Africa Water Electrolysis Hydrogen Equipment Sales Quantity by Application (2019-2030)
- 11.3 Middle East & Africa Water Electrolysis Hydrogen Equipment Market Size by Country
 - 11.3.1 Middle East & Africa Water Electrolysis Hydrogen Equipment Sales Quantity by



Country (2019-2030)

- 11.3.2 Middle East & Africa Water Electrolysis Hydrogen Equipment Consumption Value by Country (2019-2030)
 - 11.3.3 Turkey Market Size and Forecast (2019-2030)
 - 11.3.4 Egypt Market Size and Forecast (2019-2030)
 - 11.3.5 Saudi Arabia Market Size and Forecast (2019-2030)
 - 11.3.6 South Africa Market Size and Forecast (2019-2030)

12 MARKET DYNAMICS

- 12.1 Water Electrolysis Hydrogen Equipment Market Drivers
- 12.2 Water Electrolysis Hydrogen Equipment Market Restraints
- 12.3 Water Electrolysis Hydrogen Equipment Trends Analysis
- 12.4 Porters Five Forces Analysis
 - 12.4.1 Threat of New Entrants
 - 12.4.2 Bargaining Power of Suppliers
 - 12.4.3 Bargaining Power of Buyers
 - 12.4.4 Threat of Substitutes
 - 12.4.5 Competitive Rivalry

13 RAW MATERIAL AND INDUSTRY CHAIN

- 13.1 Raw Material of Water Electrolysis Hydrogen Equipment and Key Manufacturers
- 13.2 Manufacturing Costs Percentage of Water Electrolysis Hydrogen Equipment
- 13.3 Water Electrolysis Hydrogen Equipment Production Process
- 13.4 Water Electrolysis Hydrogen Equipment Industrial Chain

14 SHIPMENTS BY DISTRIBUTION CHANNEL

- 14.1 Sales Channel
 - 14.1.1 Direct to End-User
 - 14.1.2 Distributors
- 14.2 Water Electrolysis Hydrogen Equipment Typical Distributors
- 14.3 Water Electrolysis Hydrogen Equipment Typical Customers

15 RESEARCH FINDINGS AND CONCLUSION

16 APPENDIX



- 16.1 Methodology
- 16.2 Research Process and Data Source
- 16.3 Disclaimer



List Of Tables

LIST OF TABLES

Table 1. Global Water Electrolysis Hydrogen Equipment Consumption Value by Type, (USD Million), 2019 & 2023 & 2030

Table 2. Global Water Electrolysis Hydrogen Equipment Consumption Value by Application, (USD Million), 2019 & 2023 & 2030

Table 3. Plug Power Basic Information, Manufacturing Base and Competitors

Table 4. Plug Power Major Business

Table 5. Plug Power Water Electrolysis Hydrogen Equipment Product and Services

Table 6. Plug Power Water Electrolysis Hydrogen Equipment Sales Quantity (MW),

Average Price (US\$/KW), Revenue (USD Million), Gross Margin and Market Share (2019-2024)

Table 7. Plug Power Recent Developments/Updates

Table 8. 718th Research Institute of CSIC Basic Information, Manufacturing Base and Competitors

Table 9. 718th Research Institute of CSIC Major Business

Table 10. 718th Research Institute of CSIC Water Electrolysis Hydrogen Equipment Product and Services

Table 11. 718th Research Institute of CSIC Water Electrolysis Hydrogen Equipment Sales Quantity (MW), Average Price (US\$/KW), Revenue (USD Million), Gross Margin and Market Share (2019-2024)

Table 12. 718th Research Institute of CSIC Recent Developments/Updates

Table 13. Sungrow Power Supply Basic Information, Manufacturing Base and Competitors

Table 14. Sungrow Power Supply Major Business

Table 15. Sungrow Power Supply Water Electrolysis Hydrogen Equipment Product and Services

Table 16. Sungrow Power Supply Water Electrolysis Hydrogen Equipment Sales Quantity (MW), Average Price (US\$/KW), Revenue (USD Million), Gross Margin and Market Share (2019-2024)

Table 17. Sungrow Power Supply Recent Developments/Updates

Table 18. Longi Green Energy Technology Basic Information, Manufacturing Base and Competitors

Table 19. Longi Green Energy Technology Major Business

Table 20. Longi Green Energy Technology Water Electrolysis Hydrogen Equipment Product and Services

Table 21. Longi Green Energy Technology Water Electrolysis Hydrogen Equipment



- Sales Quantity (MW), Average Price (US\$/KW), Revenue (USD Million), Gross Margin and Market Share (2019-2024)
- Table 22. Longi Green Energy Technology Recent Developments/Updates
- Table 23. ThyssenKrupp Basic Information, Manufacturing Base and Competitors
- Table 24. ThyssenKrupp Major Business
- Table 25. ThyssenKrupp Water Electrolysis Hydrogen Equipment Product and Services
- Table 26. ThyssenKrupp Water Electrolysis Hydrogen Equipment Sales Quantity (MW), Average Price (US\$/KW), Revenue (USD Million), Gross Margin and Market Share

(2019-2024)

- Table 27. ThyssenKrupp Recent Developments/Updates
- Table 28. Nel Hydrogen Basic Information, Manufacturing Base and Competitors
- Table 29. Nel Hydrogen Major Business
- Table 30. Nel Hydrogen Water Electrolysis Hydrogen Equipment Product and Services
- Table 31. Nel Hydrogen Water Electrolysis Hydrogen Equipment Sales Quantity (MW),
- Average Price (US\$/KW), Revenue (USD Million), Gross Margin and Market Share (2019-2024)
- Table 32. Nel Hydrogen Recent Developments/Updates
- Table 33. Cockerill Jingli Hydrogen Basic Information, Manufacturing Base and Competitors
- Table 34. Cockerill Jingli Hydrogen Major Business
- Table 35. Cockerill Jingli Hydrogen Water Electrolysis Hydrogen Equipment Product and Services
- Table 36. Cockerill Jingli Hydrogen Water Electrolysis Hydrogen Equipment Sales Quantity (MW), Average Price (US\$/KW), Revenue (USD Million), Gross Margin and Market Share (2019-2024)
- Table 37. Cockerill Jingli Hydrogen Recent Developments/Updates
- Table 38. Hydrogen Pro Basic Information, Manufacturing Base and Competitors
- Table 39. Hydrogen Pro Major Business
- Table 40. Hydrogen Pro Water Electrolysis Hydrogen Equipment Product and Services
- Table 41. Hydrogen Pro Water Electrolysis Hydrogen Equipment Sales Quantity (MW),
- Average Price (US\$/KW), Revenue (USD Million), Gross Margin and Market Share (2019-2024)
- Table 42. Hydrogen Pro Recent Developments/Updates
- Table 43. TianJin Mainland Basic Information, Manufacturing Base and Competitors
- Table 44. TianJin Mainland Major Business
- Table 45. TianJin Mainland Water Electrolysis Hydrogen Equipment Product and Services
- Table 46. TianJin Mainland Water Electrolysis Hydrogen Equipment Sales Quantity (MW), Average Price (US\$/KW), Revenue (USD Million), Gross Margin and Market



- Share (2019-2024)
- Table 47. TianJin Mainland Recent Developments/Updates
- Table 48. SANY Hydrogen Basic Information, Manufacturing Base and Competitors
- Table 49. SANY Hydrogen Major Business
- Table 50. SANY Hydrogen Water Electrolysis Hydrogen Equipment Product and Services
- Table 51. SANY Hydrogen Water Electrolysis Hydrogen Equipment Sales Quantity (MW), Average Price (US\$/KW), Revenue (USD Million), Gross Margin and Market Share (2019-2024)
- Table 52. SANY Hydrogen Recent Developments/Updates
- Table 53. Siemens Basic Information, Manufacturing Base and Competitors
- Table 54. Siemens Major Business
- Table 55. Siemens Water Electrolysis Hydrogen Equipment Product and Services
- Table 56. Siemens Water Electrolysis Hydrogen Equipment Sales Quantity (MW),
- Average Price (US\$/KW), Revenue (USD Million), Gross Margin and Market Share (2019-2024)
- Table 57. Siemens Recent Developments/Updates
- Table 58. Yangzhou Chungdean Hydrogen Equipment Basic Information, Manufacturing Base and Competitors
- Table 59. Yangzhou Chungdean Hydrogen Equipment Major Business
- Table 60. Yangzhou Chungdean Hydrogen Equipment Water Electrolysis Hydrogen Equipment Product and Services
- Table 61. Yangzhou Chungdean Hydrogen Equipment Water Electrolysis Hydrogen Equipment Sales Quantity (MW), Average Price (US\$/KW), Revenue (USD Million), Gross Margin and Market Share (2019-2024)
- Table 62. Yangzhou Chungdean Hydrogen Equipment Recent Developments/Updates
- Table 63. McPhy Basic Information, Manufacturing Base and Competitors
- Table 64. McPhy Major Business
- Table 65. McPhy Water Electrolysis Hydrogen Equipment Product and Services
- Table 66. McPhy Water Electrolysis Hydrogen Equipment Sales Quantity (MW),
- Average Price (US\$/KW), Revenue (USD Million), Gross Margin and Market Share (2019-2024)
- Table 67. McPhy Recent Developments/Updates
- Table 68. Beijing Zhongdian Basic Information, Manufacturing Base and Competitors
- Table 69. Beijing Zhongdian Major Business
- Table 70. Beijing Zhongdian Water Electrolysis Hydrogen Equipment Product and Services
- Table 71. Beijing Zhongdian Water Electrolysis Hydrogen Equipment Sales Quantity (MW), Average Price (US\$/KW), Revenue (USD Million), Gross Margin and Market



- Share (2019-2024)
- Table 72. Beijing Zhongdian Recent Developments/Updates
- Table 73. Cummins Basic Information, Manufacturing Base and Competitors
- Table 74. Cummins Major Business
- Table 75. Cummins Water Electrolysis Hydrogen Equipment Product and Services
- Table 76. Cummins Water Electrolysis Hydrogen Equipment Sales Quantity (MW),
- Average Price (US\$/KW), Revenue (USD Million), Gross Margin and Market Share (2019-2024)
- Table 77. Cummins Recent Developments/Updates
- Table 78. Shandong Saikesaisi Hydrogen Energy Basic Information, Manufacturing Base and Competitors
- Table 79. Shandong Saikesaisi Hydrogen Energy Major Business
- Table 80. Shandong Saikesaisi Hydrogen Energy Water Electrolysis Hydrogen Equipment Product and Services
- Table 81. Shandong Saikesaisi Hydrogen Energy Water Electrolysis Hydrogen Equipment Sales Quantity (MW), Average Price (US\$/KW), Revenue (USD Million), Gross Margin and Market Share (2019-2024)
- Table 82. Shandong Saikesaisi Hydrogen Energy Recent Developments/Updates
- Table 83. Shenzhen Kohodo Hydrogen Energy Basic Information, Manufacturing Base and Competitors
- Table 84. Shenzhen Kohodo Hydrogen Energy Major Business
- Table 85. Shenzhen Kohodo Hydrogen Energy Water Electrolysis Hydrogen Equipment Product and Services
- Table 86. Shenzhen Kohodo Hydrogen Energy Water Electrolysis Hydrogen Equipment Sales Quantity (MW), Average Price (US\$/KW), Revenue (USD Million), Gross Margin and Market Share (2019-2024)
- Table 87. Shenzhen Kohodo Hydrogen Energy Recent Developments/Updates
- Table 88. CPU Hydrogen Power Basic Information, Manufacturing Base and Competitors
- Table 89. CPU Hydrogen Power Major Business
- Table 90. CPU Hydrogen Power Water Electrolysis Hydrogen Equipment Product and Services
- Table 91. CPU Hydrogen Power Water Electrolysis Hydrogen Equipment Sales Quantity (MW), Average Price (US\$/KW), Revenue (USD Million), Gross Margin and Market Share (2019-2024)
- Table 92. CPU Hydrogen Power Recent Developments/Updates
- Table 93. H2B2 Basic Information, Manufacturing Base and Competitors
- Table 94. H2B2 Major Business
- Table 95. H2B2 Water Electrolysis Hydrogen Equipment Product and Services



Table 96. H2B2 Water Electrolysis Hydrogen Equipment Sales Quantity (MW), Average Price (US\$/KW), Revenue (USD Million), Gross Margin and Market Share (2019-2024)

Table 97. H2B2 Recent Developments/Updates

Table 98. ShaanXi HuaQin Basic Information, Manufacturing Base and Competitors

Table 99. ShaanXi HuaQin Major Business

Table 100. ShaanXi HuaQin Water Electrolysis Hydrogen Equipment Product and Services

Table 101. ShaanXi HuaQin Water Electrolysis Hydrogen Equipment Sales Quantity (MW), Average Price (US\$/KW), Revenue (USD Million), Gross Margin and Market Share (2019-2024)

Table 102. ShaanXi HuaQin Recent Developments/Updates

Table 103. Sunfire Basic Information, Manufacturing Base and Competitors

Table 104. Sunfire Major Business

Table 105. Sunfire Water Electrolysis Hydrogen Equipment Product and Services

Table 106. Sunfire Water Electrolysis Hydrogen Equipment Sales Quantity (MW),

Average Price (US\$/KW), Revenue (USD Million), Gross Margin and Market Share (2019-2024)

Table 107. Sunfire Recent Developments/Updates

Table 108. Teledyne Energy Systems Basic Information, Manufacturing Base and Competitors

Table 109. Teledyne Energy Systems Major Business

Table 110. Teledyne Energy Systems Water Electrolysis Hydrogen Equipment Product and Services

Table 111. Teledyne Energy Systems Water Electrolysis Hydrogen Equipment Sales Quantity (MW), Average Price (US\$/KW), Revenue (USD Million), Gross Margin and Market Share (2019-2024)

Table 112. Teledyne Energy Systems Recent Developments/Updates

Table 113. Jiangsu Guofu Hydrogen Energy Equipment Basic Information,

Manufacturing Base and Competitors

Table 114. Jiangsu Guofu Hydrogen Energy Equipment Major Business

Table 115. Jiangsu Guofu Hydrogen Energy Equipment Water Electrolysis Hydrogen Equipment Product and Services

Table 116. Jiangsu Guofu Hydrogen Energy Equipment Water Electrolysis Hydrogen Equipment Sales Quantity (MW), Average Price (US\$/KW), Revenue (USD Million), Gross Margin and Market Share (2019-2024)

Table 117. Jiangsu Guofu Hydrogen Energy Equipment Recent Developments/Updates

Table 118. EM Solution Basic Information, Manufacturing Base and Competitors

Table 119. EM Solution Major Business

Table 120. EM Solution Water Electrolysis Hydrogen Equipment Product and Services



- Table 121. EM Solution Water Electrolysis Hydrogen Equipment Sales Quantity (MW), Average Price (US\$/KW), Revenue (USD Million), Gross Margin and Market Share (2019-2024)
- Table 122. EM Solution Recent Developments/Updates
- Table 123. China NewGas Energy Technology Basic Information, Manufacturing Base and Competitors
- Table 124. China NewGas Energy Technology Major Business
- Table 125. China NewGas Energy Technology Water Electrolysis Hydrogen Equipment Product and Services
- Table 126. China NewGas Energy Technology Water Electrolysis Hydrogen Equipment Sales Quantity (MW), Average Price (US\$/KW), Revenue (USD Million), Gross Margin and Market Share (2019-2024)
- Table 127. China NewGas Energy Technology Recent Developments/Updates
- Table 128. Toshiba Basic Information, Manufacturing Base and Competitors
- Table 129. Toshiba Major Business
- Table 130. Toshiba Water Electrolysis Hydrogen Equipment Product and Services
- Table 131. Toshiba Water Electrolysis Hydrogen Equipment Sales Quantity (MW),
- Average Price (US\$/KW), Revenue (USD Million), Gross Margin and Market Share (2019-2024)
- Table 132. Toshiba Recent Developments/Updates
- Table 133. Elogen Basic Information, Manufacturing Base and Competitors
- Table 134. Elogen Major Business
- Table 135. Elogen Water Electrolysis Hydrogen Equipment Product and Services
- Table 136. Elogen Water Electrolysis Hydrogen Equipment Sales Quantity (MW),
- Average Price (US\$/KW), Revenue (USD Million), Gross Margin and Market Share (2019-2024)
- Table 137. Elogen Recent Developments/Updates
- Table 138. ITM Power Basic Information, Manufacturing Base and Competitors
- Table 139. ITM Power Major Business
- Table 140. ITM Power Water Electrolysis Hydrogen Equipment Product and Services
- Table 141. ITM Power Water Electrolysis Hydrogen Equipment Sales Quantity (MW),
- Average Price (US\$/KW), Revenue (USD Million), Gross Margin and Market Share (2019-2024)
- Table 142. ITM Power Recent Developments/Updates
- Table 143. Kobelco Eco-Solutions Basic Information, Manufacturing Base and Competitors
- Table 144. Kobelco Eco-SolutionsMajor Business
- Table 145. Kobelco Eco-Solutions Water Electrolysis Hydrogen Equipment Product and Services



Table 146. Kobelco Eco-Solutions Water Electrolysis Hydrogen Equipment Sales Quantity (MW), Average Price (US\$/KW), Revenue (USD Million), Gross Margin and Market Share (2019-2024)

Table 147. Kobelco Eco-Solutions Recent Developments/Updates

Table 148. Elchemtech Basic Information, Manufacturing Base and Competitors

Table 149. Elchemtech Major Business

Table 150. Elchemtech Water Electrolysis Hydrogen Equipment Product and Services

Table 151. Elchemtech Water Electrolysis Hydrogen Equipment Sales Quantity (MW),

Average Price (US\$/KW), Revenue (USD Million), Gross Margin and Market Share (2019-2024)

Table 152. Elchemtech Recent Developments/Updates

Table 153. Global Water Electrolysis Hydrogen Equipment Sales Quantity by Manufacturer (2019-2024) & (MW)

Table 154. Global Water Electrolysis Hydrogen Equipment Revenue by Manufacturer (2019-2024) & (USD Million)

Table 155. Global Water Electrolysis Hydrogen Equipment Average Price by Manufacturer (2019-2024) & (US\$/KW)

Table 156. Market Position of Manufacturers in Water Electrolysis Hydrogen Equipment, (Tier 1, Tier 2, and Tier 3), Based on Consumption Value in 2023

Table 157. Head Office and Water Electrolysis Hydrogen Equipment Production Site of Key Manufacturer

Table 158. Water Electrolysis Hydrogen Equipment Market: Company Product Type Footprint

Table 159. Water Electrolysis Hydrogen Equipment Market: Company Product Application Footprint

Table 160. Water Electrolysis Hydrogen Equipment New Market Entrants and Barriers to Market Entry

Table 161. Water Electrolysis Hydrogen Equipment Mergers, Acquisition, Agreements, and Collaborations

Table 162. Global Water Electrolysis Hydrogen Equipment Sales Quantity by Region (2019-2024) & (MW)

Table 163. Global Water Electrolysis Hydrogen Equipment Sales Quantity by Region (2025-2030) & (MW)

Table 164. Global Water Electrolysis Hydrogen Equipment Consumption Value by Region (2019-2024) & (USD Million)

Table 165. Global Water Electrolysis Hydrogen Equipment Consumption Value by Region (2025-2030) & (USD Million)

Table 166. Global Water Electrolysis Hydrogen Equipment Average Price by Region (2019-2024) & (US\$/KW)



Table 167. Global Water Electrolysis Hydrogen Equipment Average Price by Region (2025-2030) & (US\$/KW)

Table 168. Global Water Electrolysis Hydrogen Equipment Sales Quantity by Type (2019-2024) & (MW)

Table 169. Global Water Electrolysis Hydrogen Equipment Sales Quantity by Type (2025-2030) & (MW)

Table 170. Global Water Electrolysis Hydrogen Equipment Consumption Value by Type (2019-2024) & (USD Million)

Table 171. Global Water Electrolysis Hydrogen Equipment Consumption Value by Type (2025-2030) & (USD Million)

Table 172. Global Water Electrolysis Hydrogen Equipment Average Price by Type (2019-2024) & (US\$/KW)

Table 173. Global Water Electrolysis Hydrogen Equipment Average Price by Type (2025-2030) & (US\$/KW)

Table 174. Global Water Electrolysis Hydrogen Equipment Sales Quantity by Application (2019-2024) & (MW)

Table 175. Global Water Electrolysis Hydrogen Equipment Sales Quantity by Application (2025-2030) & (MW)

Table 176. Global Water Electrolysis Hydrogen Equipment Consumption Value by Application (2019-2024) & (USD Million)

Table 177. Global Water Electrolysis Hydrogen Equipment Consumption Value by Application (2025-2030) & (USD Million)

Table 178. Global Water Electrolysis Hydrogen Equipment Average Price by Application (2019-2024) & (US\$/KW)

Table 179. Global Water Electrolysis Hydrogen Equipment Average Price by Application (2025-2030) & (US\$/KW)

Table 180. North America Water Electrolysis Hydrogen Equipment Sales Quantity by Type (2019-2024) & (MW)

Table 181. North America Water Electrolysis Hydrogen Equipment Sales Quantity by Type (2025-2030) & (MW)

Table 182. North America Water Electrolysis Hydrogen Equipment Sales Quantity by Application (2019-2024) & (MW)

Table 183. North America Water Electrolysis Hydrogen Equipment Sales Quantity by Application (2025-2030) & (MW)

Table 184. North America Water Electrolysis Hydrogen Equipment Sales Quantity by Country (2019-2024) & (MW)

Table 185. North America Water Electrolysis Hydrogen Equipment Sales Quantity by Country (2025-2030) & (MW)

Table 186. North America Water Electrolysis Hydrogen Equipment Consumption Value



by Country (2019-2024) & (USD Million)

Table 187. North America Water Electrolysis Hydrogen Equipment Consumption Value by Country (2025-2030) & (USD Million)

Table 188. Europe Water Electrolysis Hydrogen Equipment Sales Quantity by Type (2019-2024) & (MW)

Table 189. Europe Water Electrolysis Hydrogen Equipment Sales Quantity by Type (2025-2030) & (MW)

Table 190. Europe Water Electrolysis Hydrogen Equipment Sales Quantity by Application (2019-2024) & (MW)

Table 191. Europe Water Electrolysis Hydrogen Equipment Sales Quantity by Application (2025-2030) & (MW)

Table 192. Europe Water Electrolysis Hydrogen Equipment Sales Quantity by Country (2019-2024) & (MW)

Table 193. Europe Water Electrolysis Hydrogen Equipment Sales Quantity by Country (2025-2030) & (MW)

Table 194. Europe Water Electrolysis Hydrogen Equipment Consumption Value by Country (2019-2024) & (USD Million)

Table 195. Europe Water Electrolysis Hydrogen Equipment Consumption Value by Country (2025-2030) & (USD Million)

Table 196. Asia-Pacific Water Electrolysis Hydrogen Equipment Sales Quantity by Type (2019-2024) & (MW)

Table 197. Asia-Pacific Water Electrolysis Hydrogen Equipment Sales Quantity by Type (2025-2030) & (MW)

Table 198. Asia-Pacific Water Electrolysis Hydrogen Equipment Sales Quantity by Application (2019-2024) & (MW)

Table 199. Asia-Pacific Water Electrolysis Hydrogen Equipment Sales Quantity by Application (2025-2030) & (MW)

Table 200. Asia-Pacific Water Electrolysis Hydrogen Equipment Sales Quantity by Region (2019-2024) & (MW)

Table 201. Asia-Pacific Water Electrolysis Hydrogen Equipment Sales Quantity by Region (2025-2030) & (MW)

Table 202. Asia-Pacific Water Electrolysis Hydrogen Equipment Consumption Value by Region (2019-2024) & (USD Million)

Table 203. Asia-Pacific Water Electrolysis Hydrogen Equipment Consumption Value by Region (2025-2030) & (USD Million)

Table 204. South America Water Electrolysis Hydrogen Equipment Sales Quantity by Type (2019-2024) & (MW)

Table 205. South America Water Electrolysis Hydrogen Equipment Sales Quantity by Type (2025-2030) & (MW)



Table 206. South America Water Electrolysis Hydrogen Equipment Sales Quantity by Application (2019-2024) & (MW)

Table 207. South America Water Electrolysis Hydrogen Equipment Sales Quantity by Application (2025-2030) & (MW)

Table 208. South America Water Electrolysis Hydrogen Equipment Sales Quantity by Country (2019-2024) & (MW)

Table 209. South America Water Electrolysis Hydrogen Equipment Sales Quantity by Country (2025-2030) & (MW)

Table 210. South America Water Electrolysis Hydrogen Equipment Consumption Value by Country (2019-2024) & (USD Million)

Table 211. South America Water Electrolysis Hydrogen Equipment Consumption Value by Country (2025-2030) & (USD Million)

Table 212. Middle East & Africa Water Electrolysis Hydrogen Equipment Sales Quantity by Type (2019-2024) & (MW)

Table 213. Middle East & Africa Water Electrolysis Hydrogen Equipment Sales Quantity by Type (2025-2030) & (MW)

Table 214. Middle East & Africa Water Electrolysis Hydrogen Equipment Sales Quantity by Application (2019-2024) & (MW)

Table 215. Middle East & Africa Water Electrolysis Hydrogen Equipment Sales Quantity by Application (2025-2030) & (MW)

Table 216. Middle East & Africa Water Electrolysis Hydrogen Equipment Sales Quantity by Region (2019-2024) & (MW)

Table 217. Middle East & Africa Water Electrolysis Hydrogen Equipment Sales Quantity by Region (2025-2030) & (MW)

Table 218. Middle East & Africa Water Electrolysis Hydrogen Equipment Consumption Value by Region (2019-2024) & (USD Million)

Table 219. Middle East & Africa Water Electrolysis Hydrogen Equipment Consumption Value by Region (2025-2030) & (USD Million)

Table 220. Water Electrolysis Hydrogen Equipment Raw Material

Table 221. Key Manufacturers of Water Electrolysis Hydrogen Equipment Raw Materials

Table 222. Water Electrolysis Hydrogen Equipment Typical Distributors

Table 223. Water Electrolysis Hydrogen Equipment Typical Customers



List Of Figures

LIST OF FIGURES

Figure 1. Water Electrolysis Hydrogen Equipment Picture

Figure 2. Global Water Electrolysis Hydrogen Equipment Consumption Value by Type, (USD Million), 2019 & 2023 & 2030

Figure 3. Global Water Electrolysis Hydrogen Equipment Consumption Value Market Share by Type in 2023

Figure 4. PEM Electrolyzer Examples

Figure 5. Alkaline Electrolyzer Examples

Figure 6. Others Examples

Figure 7. Global Water Electrolysis Hydrogen Equipment Consumption Value by Application, (USD Million), 2019 & 2023 & 2030

Figure 8. Global Water Electrolysis Hydrogen Equipment Consumption Value Market Share by Application in 2023

Figure 9. Chemical Industry and Refining Examples

Figure 10. Power to Gas Examples

Figure 11. Hydrogen Refueling Station Examples

Figure 12. Power Industry Examples

Figure 13. Electronics and Semiconductor Examples

Figure 14. Steel Plant Examples

Figure 15. Others Examples

Figure 16. Global Water Electrolysis Hydrogen Equipment Consumption Value, (USD Million): 2019 & 2023 & 2030

Figure 17. Global Water Electrolysis Hydrogen Equipment Consumption Value and Forecast (2019-2030) & (USD Million)

Figure 18. Global Water Electrolysis Hydrogen Equipment Sales Quantity (2019-2030) & (MW)

Figure 19. Global Water Electrolysis Hydrogen Equipment Average Price (2019-2030) & (US\$/KW)

Figure 20. Global Water Electrolysis Hydrogen Equipment Sales Quantity Market Share by Manufacturer in 2023

Figure 21. Global Water Electrolysis Hydrogen Equipment Consumption Value Market Share by Manufacturer in 2023

Figure 22. Producer Shipments of Water Electrolysis Hydrogen Equipment by Manufacturer Sales Quantity (\$MM) and Market Share (%): 2023

Figure 23. Top 3 Water Electrolysis Hydrogen Equipment Manufacturer (Consumption Value) Market Share in 2023



Figure 24. Top 6 Water Electrolysis Hydrogen Equipment Manufacturer (Consumption Value) Market Share in 2023

Figure 25. Global Water Electrolysis Hydrogen Equipment Sales Quantity Market Share by Region (2019-2030)

Figure 26. Global Water Electrolysis Hydrogen Equipment Consumption Value Market Share by Region (2019-2030)

Figure 27. North America Water Electrolysis Hydrogen Equipment Consumption Value (2019-2030) & (USD Million)

Figure 28. Europe Water Electrolysis Hydrogen Equipment Consumption Value (2019-2030) & (USD Million)

Figure 29. Asia-Pacific Water Electrolysis Hydrogen Equipment Consumption Value (2019-2030) & (USD Million)

Figure 30. South America Water Electrolysis Hydrogen Equipment Consumption Value (2019-2030) & (USD Million)

Figure 31. Middle East & Africa Water Electrolysis Hydrogen Equipment Consumption Value (2019-2030) & (USD Million)

Figure 32. Global Water Electrolysis Hydrogen Equipment Sales Quantity Market Share by Type (2019-2030)

Figure 33. Global Water Electrolysis Hydrogen Equipment Consumption Value Market Share by Type (2019-2030)

Figure 34. Global Water Electrolysis Hydrogen Equipment Average Price by Type (2019-2030) & (US\$/KW)

Figure 35. Global Water Electrolysis Hydrogen Equipment Sales Quantity Market Share by Application (2019-2030)

Figure 36. Global Water Electrolysis Hydrogen Equipment Consumption Value Market Share by Application (2019-2030)

Figure 37. Global Water Electrolysis Hydrogen Equipment Average Price by Application (2019-2030) & (US\$/KW)

Figure 38. North America Water Electrolysis Hydrogen Equipment Sales Quantity Market Share by Type (2019-2030)

Figure 39. North America Water Electrolysis Hydrogen Equipment Sales Quantity Market Share by Application (2019-2030)

Figure 40. North America Water Electrolysis Hydrogen Equipment Sales Quantity Market Share by Country (2019-2030)

Figure 41. North America Water Electrolysis Hydrogen Equipment Consumption Value Market Share by Country (2019-2030)

Figure 42. United States Water Electrolysis Hydrogen Equipment Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 43. Canada Water Electrolysis Hydrogen Equipment Consumption Value and



Growth Rate (2019-2030) & (USD Million)

Figure 44. Mexico Water Electrolysis Hydrogen Equipment Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 45. Europe Water Electrolysis Hydrogen Equipment Sales Quantity Market Share by Type (2019-2030)

Figure 46. Europe Water Electrolysis Hydrogen Equipment Sales Quantity Market Share by Application (2019-2030)

Figure 47. Europe Water Electrolysis Hydrogen Equipment Sales Quantity Market Share by Country (2019-2030)

Figure 48. Europe Water Electrolysis Hydrogen Equipment Consumption Value Market Share by Country (2019-2030)

Figure 49. Germany Water Electrolysis Hydrogen Equipment Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 50. France Water Electrolysis Hydrogen Equipment Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 51. United Kingdom Water Electrolysis Hydrogen Equipment Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 52. Russia Water Electrolysis Hydrogen Equipment Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 53. Italy Water Electrolysis Hydrogen Equipment Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 54. Asia-Pacific Water Electrolysis Hydrogen Equipment Sales Quantity Market Share by Type (2019-2030)

Figure 55. Asia-Pacific Water Electrolysis Hydrogen Equipment Sales Quantity Market Share by Application (2019-2030)

Figure 56. Asia-Pacific Water Electrolysis Hydrogen Equipment Sales Quantity Market Share by Region (2019-2030)

Figure 57. Asia-Pacific Water Electrolysis Hydrogen Equipment Consumption Value Market Share by Region (2019-2030)

Figure 58. China Water Electrolysis Hydrogen Equipment Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 59. Japan Water Electrolysis Hydrogen Equipment Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 60. Korea Water Electrolysis Hydrogen Equipment Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 61. India Water Electrolysis Hydrogen Equipment Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 62. Southeast Asia Water Electrolysis Hydrogen Equipment Consumption Value and Growth Rate (2019-2030) & (USD Million)



Figure 63. Australia Water Electrolysis Hydrogen Equipment Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 64. South America Water Electrolysis Hydrogen Equipment Sales Quantity Market Share by Type (2019-2030)

Figure 65. South America Water Electrolysis Hydrogen Equipment Sales Quantity Market Share by Application (2019-2030)

Figure 66. South America Water Electrolysis Hydrogen Equipment Sales Quantity Market Share by Country (2019-2030)

Figure 67. South America Water Electrolysis Hydrogen Equipment Consumption Value Market Share by Country (2019-2030)

Figure 68. Brazil Water Electrolysis Hydrogen Equipment Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 69. Argentina Water Electrolysis Hydrogen Equipment Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 70. Middle East & Africa Water Electrolysis Hydrogen Equipment Sales Quantity Market Share by Type (2019-2030)

Figure 71. Middle East & Africa Water Electrolysis Hydrogen Equipment Sales Quantity Market Share by Application (2019-2030)

Figure 72. Middle East & Africa Water Electrolysis Hydrogen Equipment Sales Quantity Market Share by Region (2019-2030)

Figure 73. Middle East & Africa Water Electrolysis Hydrogen Equipment Consumption Value Market Share by Region (2019-2030)

Figure 74. Turkey Water Electrolysis Hydrogen Equipment Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 75. Egypt Water Electrolysis Hydrogen Equipment Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 76. Saudi Arabia Water Electrolysis Hydrogen Equipment Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 77. South Africa Water Electrolysis Hydrogen Equipment Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 78. Water Electrolysis Hydrogen Equipment Market Drivers

Figure 79. Water Electrolysis Hydrogen Equipment Market Restraints

Figure 80. Water Electrolysis Hydrogen Equipment Market Trends Figure



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