

Global Hydrogen Electrolyser Market Growth 2024-2030

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Abstracts

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According to our LPI (LP Information) latest study, the global Hydrogen Electrolyser market size was valued at US\$ 185.9 million in 2023. With growing demand in downstream market, the Hydrogen Electrolyser is forecast to a readjusted size of US\$ 419.3 million by 2030 with a CAGR of 12.3% during review period.

The research report highlights the growth potential of the global Hydrogen Electrolyser market. Hydrogen Electrolyser are expected to show stable growth in the future market. However, product differentiation, reducing costs, and supply chain optimization remain crucial for the widespread adoption of Hydrogen Electrolyser. Market players need to invest in research and development, forge strategic partnerships, and align their offerings with evolving consumer preferences to capitalize on the immense opportunities presented by the Hydrogen Electrolyser market.

Electrolyzers use electricity to break water into hydrogen and oxygen. The electrolysis of water occurs through an electrochemical reaction that does not require external components or moving parts. It is very reliable and can produce ultra-pure hydrogen (> 99.999%) in a non-polluting manner when the electrical source is renewable energy.

Globally, there are many suppliers in this market including Proton On-Site, 718th Research Institute of CSIC, Teledyne Energy Systems, Hydrogenics, Nel Hydrogen, Suzhou Jingli, Beijing Zhongdian, McPhy, Siemens, TianJin Mainland, Areva H2gen, Shandong Saksay Hydrogen Energy, Yangzhou Chungdean Hydrogen Equipment, Asahi Kasei, Idroenergy Spa, Erredue SpA, ShaanXi HuaQin, Kobelco Eco-Solutions, ITM Power and Toshiba etc. During all those manufacturers, Proton On-Site is the

largest supplier, which holds 17% of global total sales.

Key Features:

The report on Hydrogen Electrolyser market reflects various aspects and provide valuable insights into the industry.

Market Size and Growth: The research report provide an overview of the current size and growth of the Hydrogen Electrolyser market. It may include historical data, market segmentation by Type (e.g., Traditional Alkaline Electroliser, PEM Electroliser), and regional breakdowns.

Market Drivers and Challenges: The report can identify and analyse the factors driving the growth of the Hydrogen Electrolyser market, such as government regulations, environmental concerns, technological advancements, and changing consumer preferences. It can also highlight the challenges faced by the industry, including infrastructure limitations, range anxiety, and high upfront costs.

Competitive Landscape: The research report provides analysis of the competitive landscape within the Hydrogen Electrolyser market. It includes profiles of key players, their market share, strategies, and product offerings. The report can also highlight emerging players and their potential impact on the market.

Technological Developments: The research report can delve into the latest technological developments in the Hydrogen Electrolyser industry. This include advancements in Hydrogen Electrolyser technology, Hydrogen Electrolyser new entrants, Hydrogen Electrolyser new investment, and other innovations that are shaping the future of Hydrogen Electrolyser.

Downstream Procumbent Preference: The report can shed light on customer procumbent behaviour and adoption trends in the Hydrogen Electrolyser market. It includes factors influencing customer ' purchasing decisions, preferences for Hydrogen Electrolyser product.

Government Policies and Incentives: The research report analyse the impact of government policies and incentives on the Hydrogen Electrolyser market. This may include an assessment of regulatory frameworks, subsidies, tax incentives, and other measures aimed at promoting Hydrogen Electrolyser market. The report also evaluates the effectiveness of these policies in driving market growth.

Environmental Impact and Sustainability: The research report assess the environmental impact and sustainability aspects of the Hydrogen Electrolyser market.

Market Forecasts and Future Outlook: Based on the analysis conducted, the research report provide market forecasts and outlook for the Hydrogen Electrolyser industry. This includes projections of market size, growth rates, regional trends, and predictions on technological advancements and policy developments.

Recommendations and Opportunities: The report conclude with recommendations for industry stakeholders, policymakers, and investors. It highlights potential opportunities for market players to capitalize on emerging trends, overcome challenges, and contribute to the growth and development of the Hydrogen Electrolyser market.

Market Segmentation:

Hydrogen Electrolyser 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.

Segmentation by type

Traditional Alkaline Electroliser

PEM Electroliser

Segmentation by application

Power Plant

Steel Plant

Electronics and Photovoltaics Plant

Others

This report also splits the market by region:

Americas

United States

Canada

Mexico

Brazil

APAC

China

Japan

Korea

Southeast Asia

India

Australia

Europe

Germany

France

UK

Italy

Russia

Middle East & Africa

Egypt

South Africa

Israel

Turkey

GCC Countries

The below companies that are profiled have been selected based on inputs gathered from primary experts and analyzing the company's coverage, product portfolio, its market penetration.

Proton On-Site

718th Research Institute of CSIC

Teledyne Energy Systems

Hydrogenics

Nel Hydrogen

Suzhou Jingli

Beijing Zhongdian

McPhy

Siemens

TianJin Mainland

Areva H2gen

Yangzhou Chungdean Hydrogen Equipment

Asahi Kasei

Idroenergy Spa

Erredue SpA

ShaanXi HuaQin

Kobelco Eco-Solutions

ITM Power

Toshiba

Thyssenkrupp

H2B2

Key Questions Addressed in this Report

What is the 10-year outlook for the global Hydrogen Electrolyser market?

What factors are driving Hydrogen Electrolyser market growth, globally and by region?

Which technologies are poised for the fastest growth by market and region?

How do Hydrogen Electrolyser market opportunities vary by end market size?

How does Hydrogen Electrolyser break out type, application?

Contents

1 SCOPE OF THE REPORT

- 1.1 Market Introduction
- 1.2 Years Considered
- 1.3 Research Objectives
- 1.4 Market Research Methodology
- 1.5 Research Process and Data Source
- 1.6 Economic Indicators
- 1.7 Currency Considered
- 1.8 Market Estimation Caveats

2 EXECUTIVE SUMMARY

- 2.1 World Market Overview
 - 2.1.1 Global Hydrogen Electrolyser Annual Sales 2019-2030
 - 2.1.2 World Current & Future Analysis for Hydrogen Electrolyser by Geographic Region, 2019, 2023 & 2030
 - 2.1.3 World Current & Future Analysis for Hydrogen Electrolyser by Country/Region, 2019, 2023 & 2030
- 2.2 Hydrogen Electrolyser Segment by Type
 - 2.2.1 Traditional Alkaline Electroliser
 - 2.2.2 PEM Electroliser
- 2.3 Hydrogen Electrolyser Sales by Type
 - 2.3.1 Global Hydrogen Electrolyser Sales Market Share by Type (2019-2024)
 - 2.3.2 Global Hydrogen Electrolyser Revenue and Market Share by Type (2019-2024)
 - 2.3.3 Global Hydrogen Electrolyser Sale Price by Type (2019-2024)
- 2.4 Hydrogen Electrolyser Segment by Application
 - 2.4.1 Power Plant
 - 2.4.2 Steel Plant
 - 2.4.3 Electronics and Photovoltaics Plant
 - 2.4.4 Others
- 2.5 Hydrogen Electrolyser Sales by Application
 - 2.5.1 Global Hydrogen Electrolyser Sale Market Share by Application (2019-2024)
 - 2.5.2 Global Hydrogen Electrolyser Revenue and Market Share by Application (2019-2024)
 - 2.5.3 Global Hydrogen Electrolyser Sale Price by Application (2019-2024)

3 GLOBAL HYDROGEN ELECTROLYSER BY COMPANY

3.1 Global Hydrogen Electrolyser Breakdown Data by Company

3.1.1 Global Hydrogen Electrolyser Annual Sales by Company (2019-2024)

3.1.2 Global Hydrogen Electrolyser Sales Market Share by Company (2019-2024)

3.2 Global Hydrogen Electrolyser Annual Revenue by Company (2019-2024)

3.2.1 Global Hydrogen Electrolyser Revenue by Company (2019-2024)

3.2.2 Global Hydrogen Electrolyser Revenue Market Share by Company (2019-2024)

3.3 Global Hydrogen Electrolyser Sale Price by Company

3.4 Key Manufacturers Hydrogen Electrolyser Producing Area Distribution, Sales Area, Product Type

3.4.1 Key Manufacturers Hydrogen Electrolyser Product Location Distribution

3.4.2 Players Hydrogen Electrolyser Products Offered

3.5 Market Concentration Rate Analysis

3.5.1 Competition Landscape Analysis

3.5.2 Concentration Ratio (CR3, CR5 and CR10) & (2019-2024)

3.6 New Products and Potential Entrants

3.7 Mergers & Acquisitions, Expansion

4 WORLD HISTORIC REVIEW FOR HYDROGEN ELECTROLYSER BY GEOGRAPHIC REGION

4.1 World Historic Hydrogen Electrolyser Market Size by Geographic Region (2019-2024)

4.1.1 Global Hydrogen Electrolyser Annual Sales by Geographic Region (2019-2024)

4.1.2 Global Hydrogen Electrolyser Annual Revenue by Geographic Region (2019-2024)

4.2 World Historic Hydrogen Electrolyser Market Size by Country/Region (2019-2024)

4.2.1 Global Hydrogen Electrolyser Annual Sales by Country/Region (2019-2024)

4.2.2 Global Hydrogen Electrolyser Annual Revenue by Country/Region (2019-2024)

4.3 Americas Hydrogen Electrolyser Sales Growth

4.4 APAC Hydrogen Electrolyser Sales Growth

4.5 Europe Hydrogen Electrolyser Sales Growth

4.6 Middle East & Africa Hydrogen Electrolyser Sales Growth

5 AMERICAS

5.1 Americas Hydrogen Electrolyser Sales by Country

5.1.1 Americas Hydrogen Electrolyser Sales by Country (2019-2024)

- 5.1.2 Americas Hydrogen Electrolyser Revenue by Country (2019-2024)
- 5.2 Americas Hydrogen Electrolyser Sales by Type
- 5.3 Americas Hydrogen Electrolyser Sales by Application
- 5.4 United States
- 5.5 Canada
- 5.6 Mexico
- 5.7 Brazil

6 APAC

- 6.1 APAC Hydrogen Electrolyser Sales by Region
 - 6.1.1 APAC Hydrogen Electrolyser Sales by Region (2019-2024)
 - 6.1.2 APAC Hydrogen Electrolyser Revenue by Region (2019-2024)
- 6.2 APAC Hydrogen Electrolyser Sales by Type
- 6.3 APAC Hydrogen Electrolyser Sales by Application
- 6.4 China
- 6.5 Japan
- 6.6 South Korea
- 6.7 Southeast Asia
- 6.8 India
- 6.9 Australia
- 6.10 China Taiwan

7 EUROPE

- 7.1 Europe Hydrogen Electrolyser by Country
 - 7.1.1 Europe Hydrogen Electrolyser Sales by Country (2019-2024)
 - 7.1.2 Europe Hydrogen Electrolyser Revenue by Country (2019-2024)
- 7.2 Europe Hydrogen Electrolyser Sales by Type
- 7.3 Europe Hydrogen Electrolyser Sales by Application
- 7.4 Germany
- 7.5 France
- 7.6 UK
- 7.7 Italy
- 7.8 Russia

8 MIDDLE EAST & AFRICA

- 8.1 Middle East & Africa Hydrogen Electrolyser by Country

- 8.1.1 Middle East & Africa Hydrogen Electrolyser Sales by Country (2019-2024)
- 8.1.2 Middle East & Africa Hydrogen Electrolyser Revenue by Country (2019-2024)
- 8.2 Middle East & Africa Hydrogen Electrolyser Sales by Type
- 8.3 Middle East & Africa Hydrogen Electrolyser Sales by Application
- 8.4 Egypt
- 8.5 South Africa
- 8.6 Israel
- 8.7 Turkey
- 8.8 GCC Countries

9 MARKET DRIVERS, CHALLENGES AND TRENDS

- 9.1 Market Drivers & Growth Opportunities
- 9.2 Market Challenges & Risks
- 9.3 Industry Trends

10 MANUFACTURING COST STRUCTURE ANALYSIS

- 10.1 Raw Material and Suppliers
- 10.2 Manufacturing Cost Structure Analysis of Hydrogen Electrolyser
- 10.3 Manufacturing Process Analysis of Hydrogen Electrolyser
- 10.4 Industry Chain Structure of Hydrogen Electrolyser

11 MARKETING, DISTRIBUTORS AND CUSTOMER

- 11.1 Sales Channel
 - 11.1.1 Direct Channels
 - 11.1.2 Indirect Channels
- 11.2 Hydrogen Electrolyser Distributors
- 11.3 Hydrogen Electrolyser Customer

12 WORLD FORECAST REVIEW FOR HYDROGEN ELECTROLYSER BY GEOGRAPHIC REGION

- 12.1 Global Hydrogen Electrolyser Market Size Forecast by Region
 - 12.1.1 Global Hydrogen Electrolyser Forecast by Region (2025-2030)
 - 12.1.2 Global Hydrogen Electrolyser Annual Revenue Forecast by Region (2025-2030)
- 12.2 Americas Forecast by Country
- 12.3 APAC Forecast by Region

- 12.4 Europe Forecast by Country
- 12.5 Middle East & Africa Forecast by Country
- 12.6 Global Hydrogen Electrolyser Forecast by Type
- 12.7 Global Hydrogen Electrolyser Forecast by Application

13 KEY PLAYERS ANALYSIS

13.1 Proton On-Site

- 13.1.1 Proton On-Site Company Information
- 13.1.2 Proton On-Site Hydrogen Electrolyser Product Portfolios and Specifications
- 13.1.3 Proton On-Site Hydrogen Electrolyser Sales, Revenue, Price and Gross Margin (2019-2024)
- 13.1.4 Proton On-Site Main Business Overview
- 13.1.5 Proton On-Site Latest Developments

13.2 718th Research Institute of CSIC

- 13.2.1 718th Research Institute of CSIC Company Information
- 13.2.2 718th Research Institute of CSIC Hydrogen Electrolyser Product Portfolios and Specifications
- 13.2.3 718th Research Institute of CSIC Hydrogen Electrolyser Sales, Revenue, Price and Gross Margin (2019-2024)
- 13.2.4 718th Research Institute of CSIC Main Business Overview
- 13.2.5 718th Research Institute of CSIC Latest Developments

13.3 Teledyne Energy Systems

- 13.3.1 Teledyne Energy Systems Company Information
- 13.3.2 Teledyne Energy Systems Hydrogen Electrolyser Product Portfolios and Specifications
- 13.3.3 Teledyne Energy Systems Hydrogen Electrolyser Sales, Revenue, Price and Gross Margin (2019-2024)
- 13.3.4 Teledyne Energy Systems Main Business Overview
- 13.3.5 Teledyne Energy Systems Latest Developments

13.4 Hydrogenics

- 13.4.1 Hydrogenics Company Information
- 13.4.2 Hydrogenics Hydrogen Electrolyser Product Portfolios and Specifications
- 13.4.3 Hydrogenics Hydrogen Electrolyser Sales, Revenue, Price and Gross Margin (2019-2024)
- 13.4.4 Hydrogenics Main Business Overview
- 13.4.5 Hydrogenics Latest Developments

13.5 Nel Hydrogen

- 13.5.1 Nel Hydrogen Company Information

- 13.5.2 Nel Hydrogen Hydrogen Electrolyser Product Portfolios and Specifications
- 13.5.3 Nel Hydrogen Hydrogen Electrolyser Sales, Revenue, Price and Gross Margin (2019-2024)
- 13.5.4 Nel Hydrogen Main Business Overview
- 13.5.5 Nel Hydrogen Latest Developments
- 13.6 Suzhou Jingli
 - 13.6.1 Suzhou Jingli Company Information
 - 13.6.2 Suzhou Jingli Hydrogen Electrolyser Product Portfolios and Specifications
 - 13.6.3 Suzhou Jingli Hydrogen Electrolyser Sales, Revenue, Price and Gross Margin (2019-2024)
 - 13.6.4 Suzhou Jingli Main Business Overview
 - 13.6.5 Suzhou Jingli Latest Developments
- 13.7 Beijing Zhongdian
 - 13.7.1 Beijing Zhongdian Company Information
 - 13.7.2 Beijing Zhongdian Hydrogen Electrolyser Product Portfolios and Specifications
 - 13.7.3 Beijing Zhongdian Hydrogen Electrolyser Sales, Revenue, Price and Gross Margin (2019-2024)
 - 13.7.4 Beijing Zhongdian Main Business Overview
 - 13.7.5 Beijing Zhongdian Latest Developments
- 13.8 McPhy
 - 13.8.1 McPhy Company Information
 - 13.8.2 McPhy Hydrogen Electrolyser Product Portfolios and Specifications
 - 13.8.3 McPhy Hydrogen Electrolyser Sales, Revenue, Price and Gross Margin (2019-2024)
 - 13.8.4 McPhy Main Business Overview
 - 13.8.5 McPhy Latest Developments
- 13.9 Siemens
 - 13.9.1 Siemens Company Information
 - 13.9.2 Siemens Hydrogen Electrolyser Product Portfolios and Specifications
 - 13.9.3 Siemens Hydrogen Electrolyser Sales, Revenue, Price and Gross Margin (2019-2024)
 - 13.9.4 Siemens Main Business Overview
 - 13.9.5 Siemens Latest Developments
- 13.10 TianJin Mainland
 - 13.10.1 TianJin Mainland Company Information
 - 13.10.2 TianJin Mainland Hydrogen Electrolyser Product Portfolios and Specifications
 - 13.10.3 TianJin Mainland Hydrogen Electrolyser Sales, Revenue, Price and Gross Margin (2019-2024)
 - 13.10.4 TianJin Mainland Main Business Overview

- 13.10.5 TianJin Mainland Latest Developments
- 13.11 Areva H2gen
 - 13.11.1 Areva H2gen Company Information
 - 13.11.2 Areva H2gen Hydrogen Electrolyser Product Portfolios and Specifications
 - 13.11.3 Areva H2gen Hydrogen Electrolyser Sales, Revenue, Price and Gross Margin (2019-2024)
 - 13.11.4 Areva H2gen Main Business Overview
 - 13.11.5 Areva H2gen Latest Developments
- 13.12 Yangzhou Chungdean Hydrogen Equipment
 - 13.12.1 Yangzhou Chungdean Hydrogen Equipment Company Information
 - 13.12.2 Yangzhou Chungdean Hydrogen Equipment Hydrogen Electrolyser Product Portfolios and Specifications
 - 13.12.3 Yangzhou Chungdean Hydrogen Equipment Hydrogen Electrolyser Sales, Revenue, Price and Gross Margin (2019-2024)
 - 13.12.4 Yangzhou Chungdean Hydrogen Equipment Main Business Overview
 - 13.12.5 Yangzhou Chungdean Hydrogen Equipment Latest Developments
- 13.13 Asahi Kasei
 - 13.13.1 Asahi Kasei Company Information
 - 13.13.2 Asahi Kasei Hydrogen Electrolyser Product Portfolios and Specifications
 - 13.13.3 Asahi Kasei Hydrogen Electrolyser Sales, Revenue, Price and Gross Margin (2019-2024)
 - 13.13.4 Asahi Kasei Main Business Overview
 - 13.13.5 Asahi Kasei Latest Developments
- 13.14 Idroenergy Spa
 - 13.14.1 Idroenergy Spa Company Information
 - 13.14.2 Idroenergy Spa Hydrogen Electrolyser Product Portfolios and Specifications
 - 13.14.3 Idroenergy Spa Hydrogen Electrolyser Sales, Revenue, Price and Gross Margin (2019-2024)
 - 13.14.4 Idroenergy Spa Main Business Overview
 - 13.14.5 Idroenergy Spa Latest Developments
- 13.15 Erredue SpA
 - 13.15.1 Erredue SpA Company Information
 - 13.15.2 Erredue SpA Hydrogen Electrolyser Product Portfolios and Specifications
 - 13.15.3 Erredue SpA Hydrogen Electrolyser Sales, Revenue, Price and Gross Margin (2019-2024)
 - 13.15.4 Erredue SpA Main Business Overview
 - 13.15.5 Erredue SpA Latest Developments
- 13.16 ShaanXi HuaQin
 - 13.16.1 ShaanXi HuaQin Company Information

- 13.16.2 ShaanXi HuaQin Hydrogen Electrolyser Product Portfolios and Specifications
- 13.16.3 ShaanXi HuaQin Hydrogen Electrolyser Sales, Revenue, Price and Gross Margin (2019-2024)
- 13.16.4 ShaanXi HuaQin Main Business Overview
- 13.16.5 ShaanXi HuaQin Latest Developments
- 13.17 Kobelco Eco-Solutions
 - 13.17.1 Kobelco Eco-Solutions Company Information
 - 13.17.2 Kobelco Eco-Solutions Hydrogen Electrolyser Product Portfolios and Specifications
 - 13.17.3 Kobelco Eco-Solutions Hydrogen Electrolyser Sales, Revenue, Price and Gross Margin (2019-2024)
 - 13.17.4 Kobelco Eco-Solutions Main Business Overview
 - 13.17.5 Kobelco Eco-Solutions Latest Developments
- 13.18 ITM Power
 - 13.18.1 ITM Power Company Information
 - 13.18.2 ITM Power Hydrogen Electrolyser Product Portfolios and Specifications
 - 13.18.3 ITM Power Hydrogen Electrolyser Sales, Revenue, Price and Gross Margin (2019-2024)
 - 13.18.4 ITM Power Main Business Overview
 - 13.18.5 ITM Power Latest Developments
- 13.19 Toshiba
 - 13.19.1 Toshiba Company Information
 - 13.19.2 Toshiba Hydrogen Electrolyser Product Portfolios and Specifications
 - 13.19.3 Toshiba Hydrogen Electrolyser Sales, Revenue, Price and Gross Margin (2019-2024)
 - 13.19.4 Toshiba Main Business Overview
 - 13.19.5 Toshiba Latest Developments
- 13.20 Thyssenkrupp
 - 13.20.1 Thyssenkrupp Company Information
 - 13.20.2 Thyssenkrupp Hydrogen Electrolyser Product Portfolios and Specifications
 - 13.20.3 Thyssenkrupp Hydrogen Electrolyser Sales, Revenue, Price and Gross Margin (2019-2024)
 - 13.20.4 Thyssenkrupp Main Business Overview
 - 13.20.5 Thyssenkrupp Latest Developments
- 13.21 H2B2
 - 13.21.1 H2B2 Company Information
 - 13.21.2 H2B2 Hydrogen Electrolyser Product Portfolios and Specifications
 - 13.21.3 H2B2 Hydrogen Electrolyser Sales, Revenue, Price and Gross Margin (2019-2024)

13.21.4 H2B2 Main Business Overview

13.21.5 H2B2 Latest Developments

14 RESEARCH FINDINGS AND CONCLUSION

List Of Tables

LIST OF TABLES

Table 1. Hydrogen Electrolyser Annual Sales CAGR by Geographic Region (2019, 2023 & 2030) & (\$ millions)

Table 2. Hydrogen Electrolyser Annual Sales CAGR by Country/Region (2019, 2023 & 2030) & (\$ millions)

Table 3. Major Players of Traditional Alkaline Electroliser

Table 4. Major Players of PEM Electroliser

Table 5. Global Hydrogen Electrolyser Sales by Type (2019-2024) & (Units)

Table 6. Global Hydrogen Electrolyser Sales Market Share by Type (2019-2024)

Table 7. Global Hydrogen Electrolyser Revenue by Type (2019-2024) & (\$ million)

Table 8. Global Hydrogen Electrolyser Revenue Market Share by Type (2019-2024)

Table 9. Global Hydrogen Electrolyser Sale Price by Type (2019-2024) & (USD/Unit)

Table 10. Global Hydrogen Electrolyser Sales by Application (2019-2024) & (Units)

Table 11. Global Hydrogen Electrolyser Sales Market Share by Application (2019-2024)

Table 12. Global Hydrogen Electrolyser Revenue by Application (2019-2024)

Table 13. Global Hydrogen Electrolyser Revenue Market Share by Application (2019-2024)

Table 14. Global Hydrogen Electrolyser Sale Price by Application (2019-2024) & (USD/Unit)

Table 15. Global Hydrogen Electrolyser Sales by Company (2019-2024) & (Units)

Table 16. Global Hydrogen Electrolyser Sales Market Share by Company (2019-2024)

Table 17. Global Hydrogen Electrolyser Revenue by Company (2019-2024) (\$ Millions)

Table 18. Global Hydrogen Electrolyser Revenue Market Share by Company (2019-2024)

Table 19. Global Hydrogen Electrolyser Sale Price by Company (2019-2024) & (USD/Unit)

Table 20. Key Manufacturers Hydrogen Electrolyser Producing Area Distribution and Sales Area

Table 21. Players Hydrogen Electrolyser Products Offered

Table 22. Hydrogen Electrolyser Concentration Ratio (CR3, CR5 and CR10) & (2019-2024)

Table 23. New Products and Potential Entrants

Table 24. Mergers & Acquisitions, Expansion

Table 25. Global Hydrogen Electrolyser Sales by Geographic Region (2019-2024) & (Units)

Table 26. Global Hydrogen Electrolyser Sales Market Share Geographic Region

(2019-2024)

Table 27. Global Hydrogen Electrolyser Revenue by Geographic Region (2019-2024) & (\$ millions)

Table 28. Global Hydrogen Electrolyser Revenue Market Share by Geographic Region (2019-2024)

Table 29. Global Hydrogen Electrolyser Sales by Country/Region (2019-2024) & (Units)

Table 30. Global Hydrogen Electrolyser Sales Market Share by Country/Region (2019-2024)

Table 31. Global Hydrogen Electrolyser Revenue by Country/Region (2019-2024) & (\$ millions)

Table 32. Global Hydrogen Electrolyser Revenue Market Share by Country/Region (2019-2024)

Table 33. Americas Hydrogen Electrolyser Sales by Country (2019-2024) & (Units)

Table 34. Americas Hydrogen Electrolyser Sales Market Share by Country (2019-2024)

Table 35. Americas Hydrogen Electrolyser Revenue by Country (2019-2024) & (\$ Millions)

Table 36. Americas Hydrogen Electrolyser Revenue Market Share by Country (2019-2024)

Table 37. Americas Hydrogen Electrolyser Sales by Type (2019-2024) & (Units)

Table 38. Americas Hydrogen Electrolyser Sales by Application (2019-2024) & (Units)

Table 39. APAC Hydrogen Electrolyser Sales by Region (2019-2024) & (Units)

Table 40. APAC Hydrogen Electrolyser Sales Market Share by Region (2019-2024)

Table 41. APAC Hydrogen Electrolyser Revenue by Region (2019-2024) & (\$ Millions)

Table 42. APAC Hydrogen Electrolyser Revenue Market Share by Region (2019-2024)

Table 43. APAC Hydrogen Electrolyser Sales by Type (2019-2024) & (Units)

Table 44. APAC Hydrogen Electrolyser Sales by Application (2019-2024) & (Units)

Table 45. Europe Hydrogen Electrolyser Sales by Country (2019-2024) & (Units)

Table 46. Europe Hydrogen Electrolyser Sales Market Share by Country (2019-2024)

Table 47. Europe Hydrogen Electrolyser Revenue by Country (2019-2024) & (\$ Millions)

Table 48. Europe Hydrogen Electrolyser Revenue Market Share by Country (2019-2024)

Table 49. Europe Hydrogen Electrolyser Sales by Type (2019-2024) & (Units)

Table 50. Europe Hydrogen Electrolyser Sales by Application (2019-2024) & (Units)

Table 51. Middle East & Africa Hydrogen Electrolyser Sales by Country (2019-2024) & (Units)

Table 52. Middle East & Africa Hydrogen Electrolyser Sales Market Share by Country (2019-2024)

Table 53. Middle East & Africa Hydrogen Electrolyser Revenue by Country (2019-2024) & (\$ Millions)

Table 54. Middle East & Africa Hydrogen Electrolyser Revenue Market Share by Country (2019-2024)

Table 55. Middle East & Africa Hydrogen Electrolyser Sales by Type (2019-2024) & (Units)

Table 56. Middle East & Africa Hydrogen Electrolyser Sales by Application (2019-2024) & (Units)

Table 57. Key Market Drivers & Growth Opportunities of Hydrogen Electrolyser

Table 58. Key Market Challenges & Risks of Hydrogen Electrolyser

Table 59. Key Industry Trends of Hydrogen Electrolyser

Table 60. Hydrogen Electrolyser Raw Material

Table 61. Key Suppliers of Raw Materials

Table 62. Hydrogen Electrolyser Distributors List

Table 63. Hydrogen Electrolyser Customer List

Table 64. Global Hydrogen Electrolyser Sales Forecast by Region (2025-2030) & (Units)

Table 65. Global Hydrogen Electrolyser Revenue Forecast by Region (2025-2030) & (\$ millions)

Table 66. Americas Hydrogen Electrolyser Sales Forecast by Country (2025-2030) & (Units)

Table 67. Americas Hydrogen Electrolyser Revenue Forecast by Country (2025-2030) & (\$ millions)

Table 68. APAC Hydrogen Electrolyser Sales Forecast by Region (2025-2030) & (Units)

Table 69. APAC Hydrogen Electrolyser Revenue Forecast by Region (2025-2030) & (\$ millions)

Table 70. Europe Hydrogen Electrolyser Sales Forecast by Country (2025-2030) & (Units)

Table 71. Europe Hydrogen Electrolyser Revenue Forecast by Country (2025-2030) & (\$ millions)

Table 72. Middle East & Africa Hydrogen Electrolyser Sales Forecast by Country (2025-2030) & (Units)

Table 73. Middle East & Africa Hydrogen Electrolyser Revenue Forecast by Country (2025-2030) & (\$ millions)

Table 74. Global Hydrogen Electrolyser Sales Forecast by Type (2025-2030) & (Units)

Table 75. Global Hydrogen Electrolyser Revenue Forecast by Type (2025-2030) & (\$ Millions)

Table 76. Global Hydrogen Electrolyser Sales Forecast by Application (2025-2030) & (Units)

Table 77. Global Hydrogen Electrolyser Revenue Forecast by Application (2025-2030) & (\$ Millions)

Table 78. Proton On-Site Basic Information, Hydrogen Electrolyser Manufacturing Base, Sales Area and Its Competitors

Table 79. Proton On-Site Hydrogen Electrolyser Product Portfolios and Specifications

Table 80. Proton On-Site Hydrogen Electrolyser Sales (Units), Revenue (\$ Million), Price (USD/Unit) and Gross Margin (2019-2024)

Table 81. Proton On-Site Main Business

Table 82. Proton On-Site Latest Developments

Table 83. 718th Research Institute of CSIC Basic Information, Hydrogen Electrolyser Manufacturing Base, Sales Area and Its Competitors

Table 84. 718th Research Institute of CSIC Hydrogen Electrolyser Product Portfolios and Specifications

Table 85. 718th Research Institute of CSIC Hydrogen Electrolyser Sales (Units), Revenue (\$ Million), Price (USD/Unit) and Gross Margin (2019-2024)

Table 86. 718th Research Institute of CSIC Main Business

Table 87. 718th Research Institute of CSIC Latest Developments

Table 88. Teledyne Energy Systems Basic Information, Hydrogen Electrolyser Manufacturing Base, Sales Area and Its Competitors

Table 89. Teledyne Energy Systems Hydrogen Electrolyser Product Portfolios and Specifications

Table 90. Teledyne Energy Systems Hydrogen Electrolyser Sales (Units), Revenue (\$ Million), Price (USD/Unit) and Gross Margin (2019-2024)

Table 91. Teledyne Energy Systems Main Business

Table 92. Teledyne Energy Systems Latest Developments

Table 93. Hydrogenics Basic Information, Hydrogen Electrolyser Manufacturing Base, Sales Area and Its Competitors

Table 94. Hydrogenics Hydrogen Electrolyser Product Portfolios and Specifications

Table 95. Hydrogenics Hydrogen Electrolyser Sales (Units), Revenue (\$ Million), Price (USD/Unit) and Gross Margin (2019-2024)

Table 96. Hydrogenics Main Business

Table 97. Hydrogenics Latest Developments

Table 98. Nel Hydrogen Basic Information, Hydrogen Electrolyser Manufacturing Base, Sales Area and Its Competitors

Table 99. Nel Hydrogen Hydrogen Electrolyser Product Portfolios and Specifications

Table 100. Nel Hydrogen Hydrogen Electrolyser Sales (Units), Revenue (\$ Million), Price (USD/Unit) and Gross Margin (2019-2024)

Table 101. Nel Hydrogen Main Business

Table 102. Nel Hydrogen Latest Developments

Table 103. Suzhou Jingli Basic Information, Hydrogen Electrolyser Manufacturing Base, Sales Area and Its Competitors

Table 104. Suzhou Jingli Hydrogen Electrolyser Product Portfolios and Specifications

Table 105. Suzhou Jingli Hydrogen Electrolyser Sales (Units), Revenue (\$ Million), Price (USD/Unit) and Gross Margin (2019-2024)

Table 106. Suzhou Jingli Main Business

Table 107. Suzhou Jingli Latest Developments

Table 108. Beijing Zhongdian Basic Information, Hydrogen Electrolyser Manufacturing Base, Sales Area and Its Competitors

Table 109. Beijing Zhongdian Hydrogen Electrolyser Product Portfolios and Specifications

Table 110. Beijing Zhongdian Hydrogen Electrolyser Sales (Units), Revenue (\$ Million), Price (USD/Unit) and Gross Margin (2019-2024)

Table 111. Beijing Zhongdian Main Business

Table 112. Beijing Zhongdian Latest Developments

Table 113. McPhy Basic Information, Hydrogen Electrolyser Manufacturing Base, Sales Area and Its Competitors

Table 114. McPhy Hydrogen Electrolyser Product Portfolios and Specifications

Table 115. McPhy Hydrogen Electrolyser Sales (Units), Revenue (\$ Million), Price (USD/Unit) and Gross Margin (2019-2024)

Table 116. McPhy Main Business

Table 117. McPhy Latest Developments

Table 118. Siemens Basic Information, Hydrogen Electrolyser Manufacturing Base, Sales Area and Its Competitors

Table 119. Siemens Hydrogen Electrolyser Product Portfolios and Specifications

Table 120. Siemens Hydrogen Electrolyser Sales (Units), Revenue (\$ Million), Price (USD/Unit) and Gross Margin (2019-2024)

Table 121. Siemens Main Business

Table 122. Siemens Latest Developments

Table 123. TianJin Mainland Basic Information, Hydrogen Electrolyser Manufacturing Base, Sales Area and Its Competitors

Table 124. TianJin Mainland Hydrogen Electrolyser Product Portfolios and Specifications

Table 125. TianJin Mainland Hydrogen Electrolyser Sales (Units), Revenue (\$ Million), Price (USD/Unit) and Gross Margin (2019-2024)

Table 126. TianJin Mainland Main Business

Table 127. TianJin Mainland Latest Developments

Table 128. Areva H2gen Basic Information, Hydrogen Electrolyser Manufacturing Base, Sales Area and Its Competitors

Table 129. Areva H2gen Hydrogen Electrolyser Product Portfolios and Specifications

Table 130. Areva H2gen Hydrogen Electrolyser Sales (Units), Revenue (\$ Million), Price

(USD/Unit) and Gross Margin (2019-2024)

Table 131. Areva H2gen Main Business

Table 132. Areva H2gen Latest Developments

Table 133. Yangzhou Chungdean Hydrogen Equipment Basic Information, Hydrogen Electrolyser Manufacturing Base, Sales Area and Its Competitors

Table 134. Yangzhou Chungdean Hydrogen Equipment Hydrogen Electrolyser Product Portfolios and Specifications

Table 135. Yangzhou Chungdean Hydrogen Equipment Hydrogen Electrolyser Sales (Units), Revenue (\$ Million), Price (USD/Unit) and Gross Margin (2019-2024)

Table 136. Yangzhou Chungdean Hydrogen Equipment Main Business

Table 137. Yangzhou Chungdean Hydrogen Equipment Latest Developments

Table 138. Asahi Kasei Basic Information, Hydrogen Electrolyser Manufacturing Base, Sales Area and Its Competitors

Table 139. Asahi Kasei Hydrogen Electrolyser Product Portfolios and Specifications

Table 140. Asahi Kasei Hydrogen Electrolyser Sales (Units), Revenue (\$ Million), Price (USD/Unit) and Gross Margin (2019-2024)

Table 141. Asahi Kasei Main Business

Table 142. Asahi Kasei Latest Developments

Table 143. Idroenergy Spa Basic Information, Hydrogen Electrolyser Manufacturing Base, Sales Area and Its Competitors

Table 144. Idroenergy Spa Hydrogen Electrolyser Product Portfolios and Specifications

Table 145. Idroenergy Spa Hydrogen Electrolyser Sales (Units), Revenue (\$ Million), Price (USD/Unit) and Gross Margin (2019-2024)

Table 146. Idroenergy Spa Main Business

Table 147. Idroenergy Spa Latest Developments

Table 148. Erredue SpA Basic Information, Hydrogen Electrolyser Manufacturing Base, Sales Area and Its Competitors

Table 149. Erredue SpA Hydrogen Electrolyser Product Portfolios and Specifications

Table 150. Erredue SpA Hydrogen Electrolyser Sales (Units), Revenue (\$ Million), Price (USD/Unit) and Gross Margin (2019-2024)

Table 151. Erredue SpA Main Business

Table 152. Erredue SpA Latest Developments

Table 153. ShaanXi HuaQin Basic Information, Hydrogen Electrolyser Manufacturing Base, Sales Area and Its Competitors

Table 154. ShaanXi HuaQin Hydrogen Electrolyser Product Portfolios and Specifications

Table 155. ShaanXi HuaQin Hydrogen Electrolyser Sales (Units), Revenue (\$ Million), Price (USD/Unit) and Gross Margin (2019-2024)

Table 156. ShaanXi HuaQin Main Business

Table 157. ShaanXi HuaQin Latest Developments
Table 158. Kobelco Eco-Solutions Basic Information, Hydrogen Electrolyser Manufacturing Base, Sales Area and Its Competitors
Table 159. Kobelco Eco-Solutions Hydrogen Electrolyser Product Portfolios and Specifications
Table 160. Kobelco Eco-Solutions Hydrogen Electrolyser Sales (Units), Revenue (\$ Million), Price (USD/Unit) and Gross Margin (2019-2024)
Table 161. Kobelco Eco-Solutions Main Business
Table 162. Kobelco Eco-Solutions Latest Developments
Table 163. ITM Power Basic Information, Hydrogen Electrolyser Manufacturing Base, Sales Area and Its Competitors
Table 164. ITM Power Hydrogen Electrolyser Product Portfolios and Specifications
Table 165. ITM Power Hydrogen Electrolyser Sales (Units), Revenue (\$ Million), Price (USD/Unit) and Gross Margin (2019-2024)
Table 166. ITM Power Main Business
Table 167. ITM Power Latest Developments
Table 168. Toshiba Basic Information, Hydrogen Electrolyser Manufacturing Base, Sales Area and Its Competitors
Table 169. Toshiba Hydrogen Electrolyser Product Portfolios and Specifications
Table 170. Toshiba Hydrogen Electrolyser Sales (Units), Revenue (\$ Million), Price (USD/Unit) and Gross Margin (2019-2024)
Table 171. Toshiba Main Business
Table 172. Toshiba Latest Developments
Table 173. Thyssenkrupp Basic Information, Hydrogen Electrolyser Manufacturing Base, Sales Area and Its Competitors
Table 174. Thyssenkrupp Hydrogen Electrolyser Product Portfolios and Specifications
Table 175. Thyssenkrupp Hydrogen Electrolyser Sales (Units), Revenue (\$ Million), Price (USD/Unit) and Gross Margin (2019-2024)
Table 176. Thyssenkrupp Main Business
Table 177. Thyssenkrupp Latest Developments
Table 178. H2B2 Basic Information, Hydrogen Electrolyser Manufacturing Base, Sales Area and Its Competitors
Table 179. H2B2 Hydrogen Electrolyser Product Portfolios and Specifications
Table 180. H2B2 Hydrogen Electrolyser Sales (Units), Revenue (\$ Million), Price (USD/Unit) and Gross Margin (2019-2024)
Table 181. H2B2 Main Business
Table 182. H2B2 Latest Developments

List Of Figures

LIST OF FIGURES

- Figure 1. Picture of Hydrogen Electrolyser
- Figure 2. Hydrogen Electrolyser Report Years Considered
- Figure 3. Research Objectives
- Figure 4. Research Methodology
- Figure 5. Research Process and Data Source
- Figure 6. Global Hydrogen Electrolyser Sales Growth Rate 2019-2030 (Units)
- Figure 7. Global Hydrogen Electrolyser Revenue Growth Rate 2019-2030 (\$ Millions)
- Figure 8. Hydrogen Electrolyser Sales by Region (2019, 2023 & 2030) & (\$ Millions)
- Figure 9. Product Picture of Traditional Alkaline Electroliser
- Figure 10. Product Picture of PEM Electroliser
- Figure 11. Global Hydrogen Electrolyser Sales Market Share by Type in 2023
- Figure 12. Global Hydrogen Electrolyser Revenue Market Share by Type (2019-2024)
- Figure 13. Hydrogen Electrolyser Consumed in Power Plant
- Figure 14. Global Hydrogen Electrolyser Market: Power Plant (2019-2024) & (Units)
- Figure 15. Hydrogen Electrolyser Consumed in Steel Plant
- Figure 16. Global Hydrogen Electrolyser Market: Steel Plant (2019-2024) & (Units)
- Figure 17. Hydrogen Electrolyser Consumed in Electronics and Photovoltaics Plant
- Figure 18. Global Hydrogen Electrolyser Market: Electronics and Photovoltaics Plant (2019-2024) & (Units)
- Figure 19. Hydrogen Electrolyser Consumed in Others
- Figure 20. Global Hydrogen Electrolyser Market: Others (2019-2024) & (Units)
- Figure 21. Global Hydrogen Electrolyser Sales Market Share by Application (2023)
- Figure 22. Global Hydrogen Electrolyser Revenue Market Share by Application in 2023
- Figure 23. Hydrogen Electrolyser Sales Market by Company in 2023 (Units)
- Figure 24. Global Hydrogen Electrolyser Sales Market Share by Company in 2023
- Figure 25. Hydrogen Electrolyser Revenue Market by Company in 2023 (\$ Million)
- Figure 26. Global Hydrogen Electrolyser Revenue Market Share by Company in 2023
- Figure 27. Global Hydrogen Electrolyser Sales Market Share by Geographic Region (2019-2024)
- Figure 28. Global Hydrogen Electrolyser Revenue Market Share by Geographic Region in 2023
- Figure 29. Americas Hydrogen Electrolyser Sales 2019-2024 (Units)
- Figure 30. Americas Hydrogen Electrolyser Revenue 2019-2024 (\$ Millions)
- Figure 31. APAC Hydrogen Electrolyser Sales 2019-2024 (Units)
- Figure 32. APAC Hydrogen Electrolyser Revenue 2019-2024 (\$ Millions)

- Figure 33. Europe Hydrogen Electrolyser Sales 2019-2024 (Units)
- Figure 34. Europe Hydrogen Electrolyser Revenue 2019-2024 (\$ Millions)
- Figure 35. Middle East & Africa Hydrogen Electrolyser Sales 2019-2024 (Units)
- Figure 36. Middle East & Africa Hydrogen Electrolyser Revenue 2019-2024 (\$ Millions)
- Figure 37. Americas Hydrogen Electrolyser Sales Market Share by Country in 2023
- Figure 38. Americas Hydrogen Electrolyser Revenue Market Share by Country in 2023
- Figure 39. Americas Hydrogen Electrolyser Sales Market Share by Type (2019-2024)
- Figure 40. Americas Hydrogen Electrolyser Sales Market Share by Application (2019-2024)
- Figure 41. United States Hydrogen Electrolyser Revenue Growth 2019-2024 (\$ Millions)
- Figure 42. Canada Hydrogen Electrolyser Revenue Growth 2019-2024 (\$ Millions)
- Figure 43. Mexico Hydrogen Electrolyser Revenue Growth 2019-2024 (\$ Millions)
- Figure 44. Brazil Hydrogen Electrolyser Revenue Growth 2019-2024 (\$ Millions)
- Figure 45. APAC Hydrogen Electrolyser Sales Market Share by Region in 2023
- Figure 46. APAC Hydrogen Electrolyser Revenue Market Share by Regions in 2023
- Figure 47. APAC Hydrogen Electrolyser Sales Market Share by Type (2019-2024)
- Figure 48. APAC Hydrogen Electrolyser Sales Market Share by Application (2019-2024)
- Figure 49. China Hydrogen Electrolyser Revenue Growth 2019-2024 (\$ Millions)
- Figure 50. Japan Hydrogen Electrolyser Revenue Growth 2019-2024 (\$ Millions)
- Figure 51. South Korea Hydrogen Electrolyser Revenue Growth 2019-2024 (\$ Millions)
- Figure 52. Southeast Asia Hydrogen Electrolyser Revenue Growth 2019-2024 (\$ Millions)
- Figure 53. India Hydrogen Electrolyser Revenue Growth 2019-2024 (\$ Millions)
- Figure 54. Australia Hydrogen Electrolyser Revenue Growth 2019-2024 (\$ Millions)
- Figure 55. China Taiwan Hydrogen Electrolyser Revenue Growth 2019-2024 (\$ Millions)
- Figure 56. Europe Hydrogen Electrolyser Sales Market Share by Country in 2023
- Figure 57. Europe Hydrogen Electrolyser Revenue Market Share by Country in 2023
- Figure 58. Europe Hydrogen Electrolyser Sales Market Share by Type (2019-2024)
- Figure 59. Europe Hydrogen Electrolyser Sales Market Share by Application (2019-2024)
- Figure 60. Germany Hydrogen Electrolyser Revenue Growth 2019-2024 (\$ Millions)
- Figure 61. France Hydrogen Electrolyser Revenue Growth 2019-2024 (\$ Millions)
- Figure 62. UK Hydrogen Electrolyser Revenue Growth 2019-2024 (\$ Millions)
- Figure 63. Italy Hydrogen Electrolyser Revenue Growth 2019-2024 (\$ Millions)
- Figure 64. Russia Hydrogen Electrolyser Revenue Growth 2019-2024 (\$ Millions)
- Figure 65. Middle East & Africa Hydrogen Electrolyser Sales Market Share by Country in 2023
- Figure 66. Middle East & Africa Hydrogen Electrolyser Revenue Market Share by Country in 2023

Figure 67. Middle East & Africa Hydrogen Electrolyser Sales Market Share by Type (2019-2024)

Figure 68. Middle East & Africa Hydrogen Electrolyser Sales Market Share by Application (2019-2024)

Figure 69. Egypt Hydrogen Electrolyser Revenue Growth 2019-2024 (\$ Millions)

Figure 70. South Africa Hydrogen Electrolyser Revenue Growth 2019-2024 (\$ Millions)

Figure 71. Israel Hydrogen Electrolyser Revenue Growth 2019-2024 (\$ Millions)

Figure 72. Turkey Hydrogen Electrolyser Revenue Growth 2019-2024 (\$ Millions)

Figure 73. GCC Country Hydrogen Electrolyser Revenue Growth 2019-2024 (\$ Millions)

Figure 74. Manufacturing Cost Structure Analysis of Hydrogen Electrolyser in 2023

Figure 75. Manufacturing Process Analysis of Hydrogen Electrolyser

Figure 76. Industry Chain Structure of Hydrogen Electrolyser

Figure 77. Channels of Distribution

Figure 78. Global Hydrogen Electrolyser Sales Market Forecast by Region (2025-2030)

Figure 79. Global Hydrogen Electrolyser Revenue Market Share Forecast by Region (2025-2030)

Figure 80. Global Hydrogen Electrolyser Sales Market Share Forecast by Type (2025-2030)

Figure 81. Global Hydrogen Electrolyser Revenue Market Share Forecast by Type (2025-2030)

Figure 82. Global Hydrogen Electrolyser Sales Market Share Forecast by Application (2025-2030)

Figure 83. Global Hydrogen Electrolyser Revenue Market Share Forecast by Application (2025-2030)

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