

# Global Alkaline Electrolyzer Supply, Demand and Key Producers, 2023-2029

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## Abstracts

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

Alkaline electrolysis is a mature technology. Several megawatt industrial electrolyzers are used in the industry for the large-scale production of hydrogen in view of different end-uses. From an economic viewpoint, the lifetime of these systems (several tens of thousands of hours of operation) can be considered as satisfactory for continuous operation and is profitable. However, current alkaline electrolysis cells can hardly operate at very low current density, a limit in view of emerging markets of great potential. In particular, this is a limit in terms of flexibility in load-following operation, which will be required for operation with renewable energy sources.

This report studies the global Alkaline Electrolyzer production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for Alkaline Electrolyzer, and provides market size (US\$ million) and Year-over-Year (YoY) Growth, considering 2022 as the base year. This report explores demand trends and competition, as well as details the characteristics of Alkaline Electrolyzer that contribute to its increasing demand across many markets.

Highlights and key features of the study

Global Alkaline Electrolyzer total production and demand, 2018-2029, (K Units)

Global Alkaline Electrolyzer total production value, 2018-2029, (USD Million)

Global Alkaline Electrolyzer production by region & country, production, value, CAGR, 2018-2029, (USD Million) & (K Units)

Global Alkaline Electrolyzer consumption by region & country, CAGR, 2018-2029 & (K Units)

U.S. VS China: Alkaline Electrolyzer domestic production, consumption, key domestic manufacturers and share

Global Alkaline Electrolyzer production by manufacturer, production, price, value and market share 2018-2023, (USD Million) & (K Units)

Global Alkaline Electrolyzer production by Type, production, value, CAGR, 2018-2029, (USD Million) & (K Units)

Global Alkaline Electrolyzer production by Application production, value, CAGR, 2018-2029, (USD Million) & (K Units)

This reports profiles key players in the global Alkaline Electrolyzer market based on the following parameters – company overview, production, value, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include Siemens, Nel Hydrogen, McPhy Energy, ITM Power, Hydrogenics, Tianjin Mainland Hydrogen Equipment, Areva H2Gen, Giner and ELB Elektrolysetechnik, etc.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals, COVID-19 and Russia-Ukraine War Influence.

Stakeholders would have ease in decision-making through various strategy matrices used in analyzing the World Alkaline Electrolyzer market

Detailed Segmentation:

Each section contains quantitative market data including market by value (US\$ Millions), volume (production, consumption) & (K Units) and average price (US\$/Unit) by manufacturer, by Type, and by Application. Data is given for the years 2018-2029 by year with 2022 as the base year, 2023 as the estimate year, and 2024-2029 as the forecast year.

## Global Alkaline Electrolyzer Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

## Global Alkaline Electrolyzer Market, Segmentation by Type

Hydrogen Electrolyser

Water Electrolyser

## Global Alkaline Electrolyzer Market, Segmentation by Application

Power Plants

Steel Plant

Electronics and Photovoltaics

Industrial Gases

Energy Storage or Fueling for FCEV's

Power to Gas

Others

#### Companies Profiled:

Siemens

Nel Hydrogen

McPhy Energy

ITM Power

Hydrogenics

Tianjin Mainland Hydrogen Equipment

Areva H2Gen

Giner

ELB Elektrolysetechnik

GreenHydrogen

iGas Energy GmbH

Beijing CEI Technology

Accagen SA

#### Key Questions Answered

1. How big is the global Alkaline Electrolyzer market?
2. What is the demand of the global Alkaline Electrolyzer market?

3. What is the year over year growth of the global Alkaline Electrolyzer market?
4. What is the production and production value of the global Alkaline Electrolyzer market?
5. Who are the key producers in the global Alkaline Electrolyzer market?
6. What are the growth factors driving the market demand?

## Contents

### 1 SUPPLY SUMMARY

- 1.1 Alkaline Electrolyzer Introduction
- 1.2 World Alkaline Electrolyzer Supply & Forecast
  - 1.2.1 World Alkaline Electrolyzer Production Value (2018 & 2022 & 2029)
  - 1.2.2 World Alkaline Electrolyzer Production (2018-2029)
  - 1.2.3 World Alkaline Electrolyzer Pricing Trends (2018-2029)
- 1.3 World Alkaline Electrolyzer Production by Region (Based on Production Site)
  - 1.3.1 World Alkaline Electrolyzer Production Value by Region (2018-2029)
  - 1.3.2 World Alkaline Electrolyzer Production by Region (2018-2029)
  - 1.3.3 World Alkaline Electrolyzer Average Price by Region (2018-2029)
  - 1.3.4 North America Alkaline Electrolyzer Production (2018-2029)
  - 1.3.5 Europe Alkaline Electrolyzer Production (2018-2029)
  - 1.3.6 China Alkaline Electrolyzer Production (2018-2029)
  - 1.3.7 Japan Alkaline Electrolyzer Production (2018-2029)
- 1.4 Market Drivers, Restraints and Trends
  - 1.4.1 Alkaline Electrolyzer Market Drivers
  - 1.4.2 Factors Affecting Demand
  - 1.4.3 Alkaline Electrolyzer Major Market Trends
- 1.5 Influence of COVID-19 and Russia-Ukraine War
  - 1.5.1 Influence of COVID-19
  - 1.5.2 Influence of Russia-Ukraine War

### 2 DEMAND SUMMARY

- 2.1 World Alkaline Electrolyzer Demand (2018-2029)
- 2.2 World Alkaline Electrolyzer Consumption by Region
  - 2.2.1 World Alkaline Electrolyzer Consumption by Region (2018-2023)
  - 2.2.2 World Alkaline Electrolyzer Consumption Forecast by Region (2024-2029)
- 2.3 United States Alkaline Electrolyzer Consumption (2018-2029)
- 2.4 China Alkaline Electrolyzer Consumption (2018-2029)
- 2.5 Europe Alkaline Electrolyzer Consumption (2018-2029)
- 2.6 Japan Alkaline Electrolyzer Consumption (2018-2029)
- 2.7 South Korea Alkaline Electrolyzer Consumption (2018-2029)
- 2.8 ASEAN Alkaline Electrolyzer Consumption (2018-2029)
- 2.9 India Alkaline Electrolyzer Consumption (2018-2029)

### **3 WORLD ALKALINE ELECTROLYZER MANUFACTURERS COMPETITIVE ANALYSIS**

3.1 World Alkaline Electrolyzer Production Value by Manufacturer (2018-2023)

3.2 World Alkaline Electrolyzer Production by Manufacturer (2018-2023)

3.3 World Alkaline Electrolyzer Average Price by Manufacturer (2018-2023)

3.4 Alkaline Electrolyzer Company Evaluation Quadrant

3.5 Industry Rank and Concentration Rate (CR)

3.5.1 Global Alkaline Electrolyzer Industry Rank of Major Manufacturers

3.5.2 Global Concentration Ratios (CR4) for Alkaline Electrolyzer in 2022

3.5.3 Global Concentration Ratios (CR8) for Alkaline Electrolyzer in 2022

3.6 Alkaline Electrolyzer Market: Overall Company Footprint Analysis

3.6.1 Alkaline Electrolyzer Market: Region Footprint

3.6.2 Alkaline Electrolyzer Market: Company Product Type Footprint

3.6.3 Alkaline Electrolyzer Market: Company Product Application Footprint

3.7 Competitive Environment

3.7.1 Historical Structure of the Industry

3.7.2 Barriers of Market Entry

3.7.3 Factors of Competition

3.8 New Entrant and Capacity Expansion Plans

3.9 Mergers, Acquisition, Agreements, and Collaborations

### **4 UNITED STATES VS CHINA VS REST OF THE WORLD**

4.1 United States VS China: Alkaline Electrolyzer Production Value Comparison

4.1.1 United States VS China: Alkaline Electrolyzer Production Value Comparison (2018 & 2022 & 2029)

4.1.2 United States VS China: Alkaline Electrolyzer Production Value Market Share Comparison (2018 & 2022 & 2029)

4.2 United States VS China: Alkaline Electrolyzer Production Comparison

4.2.1 United States VS China: Alkaline Electrolyzer Production Comparison (2018 & 2022 & 2029)

4.2.2 United States VS China: Alkaline Electrolyzer Production Market Share Comparison (2018 & 2022 & 2029)

4.3 United States VS China: Alkaline Electrolyzer Consumption Comparison

4.3.1 United States VS China: Alkaline Electrolyzer Consumption Comparison (2018 & 2022 & 2029)

4.3.2 United States VS China: Alkaline Electrolyzer Consumption Market Share Comparison (2018 & 2022 & 2029)

#### 4.4 United States Based Alkaline Electrolyzer Manufacturers and Market Share, 2018-2023

4.4.1 United States Based Alkaline Electrolyzer Manufacturers, Headquarters and Production Site (States, Country)

4.4.2 United States Based Manufacturers Alkaline Electrolyzer Production Value (2018-2023)

4.4.3 United States Based Manufacturers Alkaline Electrolyzer Production (2018-2023)

#### 4.5 China Based Alkaline Electrolyzer Manufacturers and Market Share

4.5.1 China Based Alkaline Electrolyzer Manufacturers, Headquarters and Production Site (Province, Country)

4.5.2 China Based Manufacturers Alkaline Electrolyzer Production Value (2018-2023)

4.5.3 China Based Manufacturers Alkaline Electrolyzer Production (2018-2023)

#### 4.6 Rest of World Based Alkaline Electrolyzer Manufacturers and Market Share, 2018-2023

4.6.1 Rest of World Based Alkaline Electrolyzer Manufacturers, Headquarters and Production Site (State, Country)

4.6.2 Rest of World Based Manufacturers Alkaline Electrolyzer Production Value (2018-2023)

4.6.3 Rest of World Based Manufacturers Alkaline Electrolyzer Production (2018-2023)

### **5 MARKET ANALYSIS BY TYPE**

#### 5.1 World Alkaline Electrolyzer Market Size Overview by Type: 2018 VS 2022 VS 2029

#### 5.2 Segment Introduction by Type

5.2.1 Hydrogen Electrolyser

5.2.2 Water Electrolyser

#### 5.3 Market Segment by Type

5.3.1 World Alkaline Electrolyzer Production by Type (2018-2029)

5.3.2 World Alkaline Electrolyzer Production Value by Type (2018-2029)

5.3.3 World Alkaline Electrolyzer Average Price by Type (2018-2029)

### **6 MARKET ANALYSIS BY APPLICATION**

#### 6.1 World Alkaline Electrolyzer Market Size Overview by Application: 2018 VS 2022 VS 2029

#### 6.2 Segment Introduction by Application

6.2.1 Power Plants

6.2.2 Steel Plant

6.2.3 Electronics and Photovoltaics



- 6.2.4 Industrial Gases
- 6.2.5 Energy Storage or Fueling for FCEV's
- 6.2.6 Power to Gas
- 6.2.7 Others

## 6.3 Market Segment by Application

- 6.3.1 World Alkaline Electrolyzer Production by Application (2018-2029)
- 6.3.2 World Alkaline Electrolyzer Production Value by Application (2018-2029)
- 6.3.3 World Alkaline Electrolyzer Average Price by Application (2018-2029)

## 7 COMPANY PROFILES

### 7.1 Siemens

- 7.1.1 Siemens Details
- 7.1.2 Siemens Major Business
- 7.1.3 Siemens Alkaline Electrolyzer Product and Services
- 7.1.4 Siemens Alkaline Electrolyzer Production, Price, Value, Gross Margin and Market Share (2018-2023)
- 7.1.5 Siemens Recent Developments/Updates
- 7.1.6 Siemens Competitive Strengths & Weaknesses

### 7.2 Nel Hydrogen

- 7.2.1 Nel Hydrogen Details
- 7.2.2 Nel Hydrogen Major Business
- 7.2.3 Nel Hydrogen Alkaline Electrolyzer Product and Services
- 7.2.4 Nel Hydrogen Alkaline Electrolyzer Production, Price, Value, Gross Margin and Market Share (2018-2023)
- 7.2.5 Nel Hydrogen Recent Developments/Updates
- 7.2.6 Nel Hydrogen Competitive Strengths & Weaknesses

### 7.3 McPhy Energy

- 7.3.1 McPhy Energy Details
- 7.3.2 McPhy Energy Major Business
- 7.3.3 McPhy Energy Alkaline Electrolyzer Product and Services
- 7.3.4 McPhy Energy Alkaline Electrolyzer Production, Price, Value, Gross Margin and Market Share (2018-2023)
- 7.3.5 McPhy Energy Recent Developments/Updates
- 7.3.6 McPhy Energy Competitive Strengths & Weaknesses

### 7.4 ITM Power

- 7.4.1 ITM Power Details
- 7.4.2 ITM Power Major Business
- 7.4.3 ITM Power Alkaline Electrolyzer Product and Services

- 7.4.4 ITM Power Alkaline Electrolyzer Production, Price, Value, Gross Margin and Market Share (2018-2023)
- 7.4.5 ITM Power Recent Developments/Updates
- 7.4.6 ITM Power Competitive Strengths & Weaknesses
- 7.5 Hydrogenics
  - 7.5.1 Hydrogenics Details
  - 7.5.2 Hydrogenics Major Business
  - 7.5.3 Hydrogenics Alkaline Electrolyzer Product and Services
  - 7.5.4 Hydrogenics Alkaline Electrolyzer Production, Price, Value, Gross Margin and Market Share (2018-2023)
  - 7.5.5 Hydrogenics Recent Developments/Updates
  - 7.5.6 Hydrogenics Competitive Strengths & Weaknesses
- 7.6 Tianjin Mainland Hydrogen Equipment
  - 7.6.1 Tianjin Mainland Hydrogen Equipment Details
  - 7.6.2 Tianjin Mainland Hydrogen Equipment Major Business
  - 7.6.3 Tianjin Mainland Hydrogen Equipment Alkaline Electrolyzer Product and Services
  - 7.6.4 Tianjin Mainland Hydrogen Equipment Alkaline Electrolyzer Production, Price, Value, Gross Margin and Market Share (2018-2023)
  - 7.6.5 Tianjin Mainland Hydrogen Equipment Recent Developments/Updates
  - 7.6.6 Tianjin Mainland Hydrogen Equipment Competitive Strengths & Weaknesses
- 7.7 Areva H2Gen
  - 7.7.1 Areva H2Gen Details
  - 7.7.2 Areva H2Gen Major Business
  - 7.7.3 Areva H2Gen Alkaline Electrolyzer Product and Services
  - 7.7.4 Areva H2Gen Alkaline Electrolyzer Production, Price, Value, Gross Margin and Market Share (2018-2023)
  - 7.7.5 Areva H2Gen Recent Developments/Updates
  - 7.7.6 Areva H2Gen Competitive Strengths & Weaknesses
- 7.8 Giner
  - 7.8.1 Giner Details
  - 7.8.2 Giner Major Business
  - 7.8.3 Giner Alkaline Electrolyzer Product and Services
  - 7.8.4 Giner Alkaline Electrolyzer Production, Price, Value, Gross Margin and Market Share (2018-2023)
  - 7.8.5 Giner Recent Developments/Updates
  - 7.8.6 Giner Competitive Strengths & Weaknesses
- 7.9 ELB Elektrolysetechnik
  - 7.9.1 ELB Elektrolysetechnik Details

- 7.9.2 ELB Elektrolysetechnik Major Business
- 7.9.3 ELB Elektrolysetechnik Alkaline Electrolyzer Product and Services
- 7.9.4 ELB Elektrolysetechnik Alkaline Electrolyzer Production, Price, Value, Gross Margin and Market Share (2018-2023)
- 7.9.5 ELB Elektrolysetechnik Recent Developments/Updates
- 7.9.6 ELB Elektrolysetechnik Competitive Strengths & Weaknesses
- 7.10 GreenHydrogen
  - 7.10.1 GreenHydrogen Details
  - 7.10.2 GreenHydrogen Major Business
  - 7.10.3 GreenHydrogen Alkaline Electrolyzer Product and Services
  - 7.10.4 GreenHydrogen Alkaline Electrolyzer Production, Price, Value, Gross Margin and Market Share (2018-2023)
  - 7.10.5 GreenHydrogen Recent Developments/Updates
  - 7.10.6 GreenHydrogen Competitive Strengths & Weaknesses
- 7.11 iGas Energy GmbH
  - 7.11.1 iGas Energy GmbH Details
  - 7.11.2 iGas Energy GmbH Major Business
  - 7.11.3 iGas Energy GmbH Alkaline Electrolyzer Product and Services
  - 7.11.4 iGas Energy GmbH Alkaline Electrolyzer Production, Price, Value, Gross Margin and Market Share (2018-2023)
  - 7.11.5 iGas Energy GmbH Recent Developments/Updates
  - 7.11.6 iGas Energy GmbH Competitive Strengths & Weaknesses
- 7.12 Beijing CEI Technology
  - 7.12.1 Beijing CEI Technology Details
  - 7.12.2 Beijing CEI Technology Major Business
  - 7.12.3 Beijing CEI Technology Alkaline Electrolyzer Product and Services
  - 7.12.4 Beijing CEI Technology Alkaline Electrolyzer Production, Price, Value, Gross Margin and Market Share (2018-2023)
  - 7.12.5 Beijing CEI Technology Recent Developments/Updates
  - 7.12.6 Beijing CEI Technology Competitive Strengths & Weaknesses
- 7.13 Accagen SA
  - 7.13.1 Accagen SA Details
  - 7.13.2 Accagen SA Major Business
  - 7.13.3 Accagen SA Alkaline Electrolyzer Product and Services
  - 7.13.4 Accagen SA Alkaline Electrolyzer Production, Price, Value, Gross Margin and Market Share (2018-2023)
  - 7.13.5 Accagen SA Recent Developments/Updates
  - 7.13.6 Accagen SA Competitive Strengths & Weaknesses

## **8 INDUSTRY CHAIN ANALYSIS**

- 8.1 Alkaline Electrolyzer Industry Chain
- 8.2 Alkaline Electrolyzer Upstream Analysis
  - 8.2.1 Alkaline Electrolyzer Core Raw Materials
  - 8.2.2 Main Manufacturers of Alkaline Electrolyzer Core Raw Materials
- 8.3 Midstream Analysis
- 8.4 Downstream Analysis
- 8.5 Alkaline Electrolyzer Production Mode
- 8.6 Alkaline Electrolyzer Procurement Model
- 8.7 Alkaline Electrolyzer Industry Sales Model and Sales Channels
  - 8.7.1 Alkaline Electrolyzer Sales Model
  - 8.7.2 Alkaline Electrolyzer Typical Customers

## **9 RESEARCH FINDINGS AND CONCLUSION**

## **10 APPENDIX**

- 10.1 Methodology
- 10.2 Research Process and Data Source
- 10.3 Disclaimer

## List Of Tables

### LIST OF TABLES

Table 1. World Alkaline Electrolyzer Production Value by Region (2018, 2022 and 2029) & (USD Million)

Table 2. World Alkaline Electrolyzer Production Value by Region (2018-2023) & (USD Million)

Table 3. World Alkaline Electrolyzer Production Value by Region (2024-2029) & (USD Million)

Table 4. World Alkaline Electrolyzer Production Value Market Share by Region (2018-2023)

Table 5. World Alkaline Electrolyzer Production Value Market Share by Region (2024-2029)

Table 6. World Alkaline Electrolyzer Production by Region (2018-2023) & (K Units)

Table 7. World Alkaline Electrolyzer Production by Region (2024-2029) & (K Units)

Table 8. World Alkaline Electrolyzer Production Market Share by Region (2018-2023)

Table 9. World Alkaline Electrolyzer Production Market Share by Region (2024-2029)

Table 10. World Alkaline Electrolyzer Average Price by Region (2018-2023) & (US\$/Unit)

Table 11. World Alkaline Electrolyzer Average Price by Region (2024-2029) & (US\$/Unit)

Table 12. Alkaline Electrolyzer Major Market Trends

Table 13. World Alkaline Electrolyzer Consumption Growth Rate Forecast by Region (2018 & 2022 & 2029) & (K Units)

Table 14. World Alkaline Electrolyzer Consumption by Region (2018-2023) & (K Units)

Table 15. World Alkaline Electrolyzer Consumption Forecast by Region (2024-2029) & (K Units)

Table 16. World Alkaline Electrolyzer Production Value by Manufacturer (2018-2023) & (USD Million)

Table 17. Production Value Market Share of Key Alkaline Electrolyzer Producers in 2022

Table 18. World Alkaline Electrolyzer Production by Manufacturer (2018-2023) & (K Units)

Table 19. Production Market Share of Key Alkaline Electrolyzer Producers in 2022

Table 20. World Alkaline Electrolyzer Average Price by Manufacturer (2018-2023) & (US\$/Unit)

Table 21. Global Alkaline Electrolyzer Company Evaluation Quadrant

Table 22. World Alkaline Electrolyzer Industry Rank of Major Manufacturers, Based on

## Production Value in 2022

Table 23. Head Office and Alkaline Electrolyzer Production Site of Key Manufacturer

Table 24. Alkaline Electrolyzer Market: Company Product Type Footprint

Table 25. Alkaline Electrolyzer Market: Company Product Application Footprint

Table 26. Alkaline Electrolyzer Competitive Factors

Table 27. Alkaline Electrolyzer New Entrant and Capacity Expansion Plans

Table 28. Alkaline Electrolyzer Mergers &amp; Acquisitions Activity

Table 29. United States VS China Alkaline Electrolyzer Production Value Comparison, (2018 &amp; 2022 &amp; 2029) &amp; (USD Million)

Table 30. United States VS China Alkaline Electrolyzer Production Comparison, (2018 &amp; 2022 &amp; 2029) &amp; (K Units)

Table 31. United States VS China Alkaline Electrolyzer Consumption Comparison, (2018 &amp; 2022 &amp; 2029) &amp; (K Units)

Table 32. United States Based Alkaline Electrolyzer Manufacturers, Headquarters and Production Site (States, Country)

Table 33. United States Based Manufacturers Alkaline Electrolyzer Production Value, (2018-2023) &amp; (USD Million)

Table 34. United States Based Manufacturers Alkaline Electrolyzer Production Value Market Share (2018-2023)

Table 35. United States Based Manufacturers Alkaline Electrolyzer Production (2018-2023) &amp; (K Units)

Table 36. United States Based Manufacturers Alkaline Electrolyzer Production Market Share (2018-2023)

Table 37. China Based Alkaline Electrolyzer Manufacturers, Headquarters and Production Site (Province, Country)

Table 38. China Based Manufacturers Alkaline Electrolyzer Production Value, (2018-2023) &amp; (USD Million)

Table 39. China Based Manufacturers Alkaline Electrolyzer Production Value Market Share (2018-2023)

Table 40. China Based Manufacturers Alkaline Electrolyzer Production (2018-2023) &amp; (K Units)

Table 41. China Based Manufacturers Alkaline Electrolyzer Production Market Share (2018-2023)

Table 42. Rest of World Based Alkaline Electrolyzer Manufacturers, Headquarters and Production Site (States, Country)

Table 43. Rest of World Based Manufacturers Alkaline Electrolyzer Production Value, (2018-2023) &amp; (USD Million)

Table 44. Rest of World Based Manufacturers Alkaline Electrolyzer Production Value Market Share (2018-2023)



Table 45. Rest of World Based Manufacturers Alkaline Electrolyzer Production (2018-2023) & (K Units)

Table 46. Rest of World Based Manufacturers Alkaline Electrolyzer Production Market Share (2018-2023)

Table 47. World Alkaline Electrolyzer Production Value by Type, (USD Million), 2018 & 2022 & 2029

Table 48. World Alkaline Electrolyzer Production by Type (2018-2023) & (K Units)

Table 49. World Alkaline Electrolyzer Production by Type (2024-2029) & (K Units)

Table 50. World Alkaline Electrolyzer Production Value by Type (2018-2023) & (USD Million)

Table 51. World Alkaline Electrolyzer Production Value by Type (2024-2029) & (USD Million)

Table 52. World Alkaline Electrolyzer Average Price by Type (2018-2023) & (US\$/Unit)

Table 53. World Alkaline Electrolyzer Average Price by Type (2024-2029) & (US\$/Unit)

Table 54. World Alkaline Electrolyzer Production Value by Application, (USD Million), 2018 & 2022 & 2029

Table 55. World Alkaline Electrolyzer Production by Application (2018-2023) & (K Units)

Table 56. World Alkaline Electrolyzer Production by Application (2024-2029) & (K Units)

Table 57. World Alkaline Electrolyzer Production Value by Application (2018-2023) & (USD Million)

Table 58. World Alkaline Electrolyzer Production Value by Application (2024-2029) & (USD Million)

Table 59. World Alkaline Electrolyzer Average Price by Application (2018-2023) & (US\$/Unit)

Table 60. World Alkaline Electrolyzer Average Price by Application (2024-2029) & (US\$/Unit)

Table 61. Siemens Basic Information, Manufacturing Base and Competitors

Table 62. Siemens Major Business

Table 63. Siemens Alkaline Electrolyzer Product and Services

Table 64. Siemens Alkaline Electrolyzer Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2018-2023)

Table 65. Siemens Recent Developments/Updates

Table 66. Siemens Competitive Strengths & Weaknesses

Table 67. Nel Hydrogen Basic Information, Manufacturing Base and Competitors

Table 68. Nel Hydrogen Major Business

Table 69. Nel Hydrogen Alkaline Electrolyzer Product and Services

Table 70. Nel Hydrogen Alkaline Electrolyzer Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2018-2023)

Table 71. Nel Hydrogen Recent Developments/Updates

- Table 72. Nel Hydrogen Competitive Strengths & Weaknesses
- Table 73. McPhy Energy Basic Information, Manufacturing Base and Competitors
- Table 74. McPhy Energy Major Business
- Table 75. McPhy Energy Alkaline Electrolyzer Product and Services
- Table 76. McPhy Energy Alkaline Electrolyzer Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2018-2023)
- Table 77. McPhy Energy Recent Developments/Updates
- Table 78. McPhy Energy Competitive Strengths & Weaknesses
- Table 79. ITM Power Basic Information, Manufacturing Base and Competitors
- Table 80. ITM Power Major Business
- Table 81. ITM Power Alkaline Electrolyzer Product and Services
- Table 82. ITM Power Alkaline Electrolyzer Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2018-2023)
- Table 83. ITM Power Recent Developments/Updates
- Table 84. ITM Power Competitive Strengths & Weaknesses
- Table 85. Hydrogenics Basic Information, Manufacturing Base and Competitors
- Table 86. Hydrogenics Major Business
- Table 87. Hydrogenics Alkaline Electrolyzer Product and Services
- Table 88. Hydrogenics Alkaline Electrolyzer Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2018-2023)
- Table 89. Hydrogenics Recent Developments/Updates
- Table 90. Hydrogenics Competitive Strengths & Weaknesses
- Table 91. Tianjin Mainland Hydrogen Equipment Basic Information, Manufacturing Base and Competitors
- Table 92. Tianjin Mainland Hydrogen Equipment Major Business
- Table 93. Tianjin Mainland Hydrogen Equipment Alkaline Electrolyzer Product and Services
- Table 94. Tianjin Mainland Hydrogen Equipment Alkaline Electrolyzer Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2018-2023)
- Table 95. Tianjin Mainland Hydrogen Equipment Recent Developments/Updates
- Table 96. Tianjin Mainland Hydrogen Equipment Competitive Strengths & Weaknesses
- Table 97. Areva H2Gen Basic Information, Manufacturing Base and Competitors
- Table 98. Areva H2Gen Major Business
- Table 99. Areva H2Gen Alkaline Electrolyzer Product and Services
- Table 100. Areva H2Gen Alkaline Electrolyzer Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2018-2023)
- Table 101. Areva H2Gen Recent Developments/Updates
- Table 102. Areva H2Gen Competitive Strengths & Weaknesses



- Table 103. Giner Basic Information, Manufacturing Base and Competitors
- Table 104. Giner Major Business
- Table 105. Giner Alkaline Electrolyzer Product and Services
- Table 106. Giner Alkaline Electrolyzer Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2018-2023)
- Table 107. Giner Recent Developments/Updates
- Table 108. Giner Competitive Strengths & Weaknesses
- Table 109. ELB Elektrolysetechnik Basic Information, Manufacturing Base and Competitors
- Table 110. ELB Elektrolysetechnik Major Business
- Table 111. ELB Elektrolysetechnik Alkaline Electrolyzer Product and Services
- Table 112. ELB Elektrolysetechnik Alkaline Electrolyzer Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2018-2023)
- Table 113. ELB Elektrolysetechnik Recent Developments/Updates
- Table 114. ELB Elektrolysetechnik Competitive Strengths & Weaknesses
- Table 115. GreenHydrogen Basic Information, Manufacturing Base and Competitors
- Table 116. GreenHydrogen Major Business
- Table 117. GreenHydrogen Alkaline Electrolyzer Product and Services
- Table 118. GreenHydrogen Alkaline Electrolyzer Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2018-2023)
- Table 119. GreenHydrogen Recent Developments/Updates
- Table 120. GreenHydrogen Competitive Strengths & Weaknesses
- Table 121. iGas Energy GmbH Basic Information, Manufacturing Base and Competitors
- Table 122. iGas Energy GmbH Major Business
- Table 123. iGas Energy GmbH Alkaline Electrolyzer Product and Services
- Table 124. iGas Energy GmbH Alkaline Electrolyzer Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2018-2023)
- Table 125. iGas Energy GmbH Recent Developments/Updates
- Table 126. iGas Energy GmbH Competitive Strengths & Weaknesses
- Table 127. Beijing CEI Technology Basic Information, Manufacturing Base and Competitors
- Table 128. Beijing CEI Technology Major Business
- Table 129. Beijing CEI Technology Alkaline Electrolyzer Product and Services
- Table 130. Beijing CEI Technology Alkaline Electrolyzer Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2018-2023)
- Table 131. Beijing CEI Technology Recent Developments/Updates

Table 132. Accagen SA Basic Information, Manufacturing Base and Competitors

Table 133. Accagen SA Major Business

Table 134. Accagen SA Alkaline Electrolyzer Product and Services

Table 135. Accagen SA Alkaline Electrolyzer Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2018-2023)

Table 136. Global Key Players of Alkaline Electrolyzer Upstream (Raw Materials)

Table 137. Alkaline Electrolyzer Typical Customers

Table 138. Alkaline Electrolyzer Typical Distributors

## List Of Figures

### LIST OF FIGURES

Figure 1. Alkaline Electrolyzer Picture

Figure 2. World Alkaline Electrolyzer Production Value: 2018 & 2022 & 2029, (USD Million)

Figure 3. World Alkaline Electrolyzer Production Value and Forecast (2018-2029) & (USD Million)

Figure 4. World Alkaline Electrolyzer Production (2018-2029) & (K Units)

Figure 5. World Alkaline Electrolyzer Average Price (2018-2029) & (US\$/Unit)

Figure 6. World Alkaline Electrolyzer Production Value Market Share by Region (2018-2029)

Figure 7. World Alkaline Electrolyzer Production Market Share by Region (2018-2029)

Figure 8. North America Alkaline Electrolyzer Production (2018-2029) & (K Units)

Figure 9. Europe Alkaline Electrolyzer Production (2018-2029) & (K Units)

Figure 10. China Alkaline Electrolyzer Production (2018-2029) & (K Units)

Figure 11. Japan Alkaline Electrolyzer Production (2018-2029) & (K Units)

Figure 12. Alkaline Electrolyzer Market Drivers

Figure 13. Factors Affecting Demand

Figure 14. World Alkaline Electrolyzer Consumption (2018-2029) & (K Units)

Figure 15. World Alkaline Electrolyzer Consumption Market Share by Region (2018-2029)

Figure 16. United States Alkaline Electrolyzer Consumption (2018-2029) & (K Units)

Figure 17. China Alkaline Electrolyzer Consumption (2018-2029) & (K Units)

Figure 18. Europe Alkaline Electrolyzer Consumption (2018-2029) & (K Units)

Figure 19. Japan Alkaline Electrolyzer Consumption (2018-2029) & (K Units)

Figure 20. South Korea Alkaline Electrolyzer Consumption (2018-2029) & (K Units)

Figure 21. ASEAN Alkaline Electrolyzer Consumption (2018-2029) & (K Units)

Figure 22. India Alkaline Electrolyzer Consumption (2018-2029) & (K Units)

Figure 23. Producer Shipments of Alkaline Electrolyzer by Manufacturer Revenue (\$MM) and Market Share (%): 2022

Figure 24. Global Four-firm Concentration Ratios (CR4) for Alkaline Electrolyzer Markets in 2022

Figure 25. Global Four-firm Concentration Ratios (CR8) for Alkaline Electrolyzer Markets in 2022

Figure 26. United States VS China: Alkaline Electrolyzer Production Value Market Share Comparison (2018 & 2022 & 2029)

Figure 27. United States VS China: Alkaline Electrolyzer Production Market Share

Comparison (2018 & 2022 & 2029)

Figure 28. United States VS China: Alkaline Electrolyzer Consumption Market Share Comparison (2018 & 2022 & 2029)

Figure 29. United States Based Manufacturers Alkaline Electrolyzer Production Market Share 2022

Figure 30. China Based Manufacturers Alkaline Electrolyzer Production Market Share 2022

Figure 31. Rest of World Based Manufacturers Alkaline Electrolyzer Production Market Share 2022

Figure 32. World Alkaline Electrolyzer Production Value by Type, (USD Million), 2018 & 2022 & 2029

Figure 33. World Alkaline Electrolyzer Production Value Market Share by Type in 2022

Figure 34. Hydrogen Electrolyser

Figure 35. Water Electrolyser

Figure 36. World Alkaline Electrolyzer Production Market Share by Type (2018-2029)

Figure 37. World Alkaline Electrolyzer Production Value Market Share by Type (2018-2029)

Figure 38. World Alkaline Electrolyzer Average Price by Type (2018-2029) & (US\$/Unit)

Figure 39. World Alkaline Electrolyzer Production Value by Application, (USD Million), 2018 & 2022 & 2029

Figure 40. World Alkaline Electrolyzer Production Value Market Share by Application in 2022

Figure 41. Power Plants

Figure 42. Steel Plant

Figure 43. Electronics and Photovoltaics

Figure 44. Industrial Gases

Figure 45. Energy Storage or Fueling for FCEV's

Figure 46. Power to Gas

Figure 47. Others

Figure 48. World Alkaline Electrolyzer Production Market Share by Application (2018-2029)

Figure 49. World Alkaline Electrolyzer Production Value Market Share by Application (2018-2029)

Figure 50. World Alkaline Electrolyzer Average Price by Application (2018-2029) & (US\$/Unit)

Figure 51. Alkaline Electrolyzer Industry Chain

Figure 52. Alkaline Electrolyzer Procurement Model

Figure 53. Alkaline Electrolyzer Sales Model

Figure 54. Alkaline Electrolyzer Sales Channels, Direct Sales, and Distribution

Figure 55. Methodology

Figure 56. Research Process and Data Source

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