

# Global Square Atmospheric Alkaline Electrolyzer Supply, Demand and Key Producers, 2026-2032

<https://marketpublishers.com/r/G2388B9EB910EN.html>

Date: April 2026

Pages: 113

Price: US\$ 4,480.00 (Single User License)

ID: G2388B9EB910EN

## Abstracts

The global Square Atmospheric Alkaline Electrolyzer market size is expected to reach \$ 519 million by 2032, rising at a market growth of 10.5% CAGR during the forecast period (2026-2032).

In 2025, global Square Atmospheric Alkaline Electrolyzer production reached approximately 359MV with an average global market price of around US\$700 per kW. Single-line annual production capacity averages 10 MV with a gross margin of approximately 20%. The upstream segment of square atmospheric alkaline electrolyzers primarily consists of electrode and diaphragm materials such as nickel mesh, nickel plates, and PTFE, along with structural components including bipolar plates, sealing gaskets, and tie rod fasteners—mainly centered around electrochemical materials and precision assembly. Downstream, these products are applied in power plants, steel plants, industrial gas facilities, and other sectors. Power plants, driven by cost sensitivity to capital expenditure in large-scale hydrogen production projects and the maintenance accessibility of atmospheric structures, currently account for approximately 50% to 55% of total consumption. Steel plants, propelled by the demand for green hydrogen in direct reduced iron processes and stringent reliability requirements, represent about 25% to 30%. Industrial gas facilities, with strict demands for hydrogen purity and operational stability, account for approximately 15% to 20%. In terms of demand, the core driver stems from the economic constraints of large-scale green hydrogen production, which necessitates maximizing single-stack hydrogen output through square atmospheric configurations to reduce capital costs per unit, while leveraging the fault tolerance of atmospheric operation to accommodate frequent start-stop cycles from variable renewable energy sources. On the opportunity side, with the accelerated deployment of desert and Gobi large-scale base hydrogen production projects and integrated wind-solar-hydrogen storage systems, demand is surging for

square atmospheric electrolyzers with single-stack capacities exceeding 2,000 Nm<sup>3</sup>/h, capable of rapid assembly and wide-load regulation. Meanwhile, the expansion of retrofitting old thermal power plants for flexible hydrogen production coupling, along with industrial hydrogen substitution scenarios, is opening new growth space for low-cost, long-life electrode materials and intelligent gas-liquid separation systems.

A square atmospheric alkaline electrolyzer is an electrochemical system configured with a rectangular cell geometry operating at near-ambient internal pressure. Its prismatic structure facilitates the stacking of large-area electrodes in a compact footprint, maximizing active surface area within a given volume. By avoiding pressurized operation, it eliminates the need for thick-walled pressure vessels and high-pressure seals, simplifying assembly and reducing material costs associated with mechanical stress tolerance. This design relies on precise gasket compression and uniform electrode gap control to maintain electrolytic efficiency and gas purity under balanced atmospheric conditions.

The industry trend for square atmospheric alkaline electrolyzers is focused on improving efficiency, reducing costs, and increasing scalability for various applications, particularly smaller-scale on-site hydrogen production. Several key trends are shaping this market:

**Focus on cost reduction and simplification:** A primary focus is on reducing the capital cost of these electrolyzers through simplified designs, use of less expensive materials (while maintaining performance and durability), and streamlined manufacturing processes. This includes optimizing cell design, reducing the number of components, and using automated assembly techniques.

**Improving current density and efficiency:** While atmospheric operation inherently limits production rates compared to pressurized systems, research is focused on improving the current density and overall efficiency of these electrolyzers. This involves optimizing electrode materials, improving electrolyte conductivity, and enhancing mass transport within the cell.

**Modularization and scalability:** The square design often lends itself well to modularization, allowing for easier scaling of hydrogen production capacity by simply adding more modules. This modular approach also simplifies maintenance and replacement of components.

**Integration with renewable energy for on-site production:** Square atmospheric alkaline electrolyzers are well-suited for integration with renewable energy sources like solar PV

and wind power for on-site hydrogen production. This allows for distributed hydrogen generation and reduces reliance on centralized production and transportation.

Applications in specific niche markets: While not ideal for very large-scale hydrogen production, these electrolyzers are finding applications in niche markets such as small-scale industrial hydrogen supply, hydrogen refueling stations for fuel cell vehicles (with integrated compression), and educational or research purposes.

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

This report is a detailed and comprehensive analysis of the world market for Square Atmospheric Alkaline Electrolyzer and provides market size (US\$ million) and Year-over-Year (YoY) Growth, considering 2025 as the base year. This report explores demand trends and competition, as well as details the characteristics of Square Atmospheric Alkaline Electrolyzer that contribute to its increasing demand across many markets.

### **Highlights and key features of the study**

Global Square Atmospheric Alkaline Electrolyzer total production and demand, 2021-2032, (MW)

Global Square Atmospheric Alkaline Electrolyzer total production value, 2021-2032, (USD Million)

Global Square Atmospheric Alkaline Electrolyzer production by region & country, production, value, CAGR, 2021-2032, (USD Million) & (MW), (based on production site)

Global Square Atmospheric Alkaline Electrolyzer consumption by region & country, CAGR, 2021-2032 & (MW)

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

Global Square Atmospheric Alkaline Electrolyzer production by manufacturer, production, price, value and market share 2021-2026, (USD Million) & (MW)

Global Square Atmospheric Alkaline Electrolyzer production by Type, production, value, CAGR, 2021-2032, (USD Million) & (MW)

Global Square Atmospheric Alkaline Electrolyzer production by Application, production, value, CAGR, 2021-2032, (USD Million) & (MW)

This report profiles key players in the global Square Atmospheric 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 McPhy Energy, HydoTech, Thyssenkrupp, Edelman, Shandong Lantuo Hydrogen Energy Technology, Hongze (Jiangsu) Technology, Suzhou Jiguan Technology, Inner Mongolia Elion Hydrogen Time Technology, SANY, etc.

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

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

### **Detailed Segmentation:**

Each section contains quantitative market data including market by value (US\$ Millions), volume (production, consumption) & (MW) and average price (US\$/KW) by manufacturer, by Type, and by Application. Data is given for the years 2021-2032 by year with 2025 as the base year, 2026 as the estimate year, and 2027-2032 as the forecast year.

Global Square Atmospheric Alkaline Electrolyzer Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

Global Square Atmospheric Alkaline Electrolyzer Market, Segmentation by Type:

Medium-pressure Alkaline Electrolyzer

High-pressure Alkaline Electrolyzer

Ultra-high-pressure Alkaline Electrolyzer

Global Square Atmospheric Alkaline Electrolyzer Market, Segmentation by Cell Configuration:

Bipolar Plate Alkaline Cell

Monopolar Alkaline Cell

Global Square Atmospheric Alkaline Electrolyzer Market, Segmentation by Materials:

Carbon Steel Pressure Electrolyzer

Stainless Steel Pressure Electrolyzer

Others

Global Square Atmospheric Alkaline Electrolyzer Market, Segmentation by Application:

Power Plant

Steel Plant

Gas Plant

Others

Companies Profiled:

McPhy Energy

HydoTech

Thyssenkrupp

Edelman

Shandong Lantuor Hydrogen Energy Technology

Hongze (Jiangsu) Technology

Suzhou Jiguan Technology

Inner Mongolia Elion Hydrogen Time Technology

SANY

**Key Questions Answered:**

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

## Contents

### 1 SUPPLY SUMMARY

- 1.1 Square Atmospheric Alkaline Electrolyzer Introduction
- 1.2 World Square Atmospheric Alkaline Electrolyzer Supply & Forecast
  - 1.2.1 World Square Atmospheric Alkaline Electrolyzer Production Value (2021 & 2025 & 2032)
  - 1.2.2 World Square Atmospheric Alkaline Electrolyzer Production (2021-2032)
  - 1.2.3 World Square Atmospheric Alkaline Electrolyzer Pricing Trends (2021-2032)
- 1.3 World Square Atmospheric Alkaline Electrolyzer Production by Region (Based on Production Site)
  - 1.3.1 World Square Atmospheric Alkaline Electrolyzer Production Value by Region (2021-2032)
  - 1.3.2 World Square Atmospheric Alkaline Electrolyzer Production by Region (2021-2032)
  - 1.3.3 World Square Atmospheric Alkaline Electrolyzer Average Price by Region (2021-2032)
  - 1.3.4 North America Square Atmospheric Alkaline Electrolyzer Production (2021-2032)
  - 1.3.5 Europe Square Atmospheric Alkaline Electrolyzer Production (2021-2032)
  - 1.3.6 China Square Atmospheric Alkaline Electrolyzer Production (2021-2032)
  - 1.3.7 Japan Square Atmospheric Alkaline Electrolyzer Production (2021-2032)
- 1.4 Market Drivers, Restraints and Trends
  - 1.4.1 Square Atmospheric Alkaline Electrolyzer Market Drivers
  - 1.4.2 Factors Affecting Demand
  - 1.4.3 Square Atmospheric Alkaline Electrolyzer Major Market Trends

### 2 DEMAND SUMMARY

- 2.1 World Square Atmospheric Alkaline Electrolyzer Demand (2021-2032)
- 2.2 World Square Atmospheric Alkaline Electrolyzer Consumption by Region
  - 2.2.1 World Square Atmospheric Alkaline Electrolyzer Consumption by Region (2021-2026)
  - 2.2.2 World Square Atmospheric Alkaline Electrolyzer Consumption Forecast by Region (2027-2032)
- 2.3 United States Square Atmospheric Alkaline Electrolyzer Consumption (2021-2032)
- 2.4 China Square Atmospheric Alkaline Electrolyzer Consumption (2021-2032)
- 2.5 Europe Square Atmospheric Alkaline Electrolyzer Consumption (2021-2032)
- 2.6 Japan Square Atmospheric Alkaline Electrolyzer Consumption (2021-2032)

- 2.7 South Korea Square Atmospheric Alkaline Electrolyzer Consumption (2021-2032)
- 2.8 ASEAN Square Atmospheric Alkaline Electrolyzer Consumption (2021-2032)
- 2.9 India Square Atmospheric Alkaline Electrolyzer Consumption (2021-2032)

### **3 WORLD MANUFACTURERS COMPETITIVE ANALYSIS**

3.1 World Square Atmospheric Alkaline Electrolyzer Production Value by Manufacturer (2021-2026)

3.2 World Square Atmospheric Alkaline Electrolyzer Production by Manufacturer (2021-2026)

3.3 World Square Atmospheric Alkaline Electrolyzer Average Price by Manufacturer (2021-2026)

3.4 Square Atmospheric Alkaline Electrolyzer Company Evaluation Quadrant

3.5 Industry Rank and Concentration Rate (CR)

3.5.1 Global Square Atmospheric Alkaline Electrolyzer Industry Rank of Major Manufacturers

3.5.2 Global Concentration Ratios (CR4) for Square Atmospheric Alkaline Electrolyzer in 2025

3.5.3 Global Concentration Ratios (CR8) for Square Atmospheric Alkaline Electrolyzer in 2025

3.6 Square Atmospheric Alkaline Electrolyzer Market: Overall Company Footprint Analysis

3.6.1 Square Atmospheric Alkaline Electrolyzer Market: Region Footprint

3.6.2 Square Atmospheric Alkaline Electrolyzer Market: Company Product Type Footprint

3.6.3 Square Atmospheric 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: Square Atmospheric Alkaline Electrolyzer Production Value Comparison

4.1.1 United States VS China: Square Atmospheric Alkaline Electrolyzer Production

Value Comparison (2021 & 2025 & 2032)

4.1.2 United States VS China: Square Atmospheric Alkaline Electrolyzer Production Value Market Share Comparison (2021 & 2025 & 2032)

4.2 United States VS China: Square Atmospheric Alkaline Electrolyzer Production Comparison

4.2.1 United States VS China: Square Atmospheric Alkaline Electrolyzer Production Comparison (2021 & 2025 & 2032)

4.2.2 United States VS China: Square Atmospheric Alkaline Electrolyzer Production Market Share Comparison (2021 & 2025 & 2032)

4.3 United States VS China: Square Atmospheric Alkaline Electrolyzer Consumption Comparison

4.3.1 United States VS China: Square Atmospheric Alkaline Electrolyzer Consumption Comparison (2021 & 2025 & 2032)

4.3.2 United States VS China: Square Atmospheric Alkaline Electrolyzer Consumption Market Share Comparison (2021 & 2025 & 2032)

4.4 United States Based Square Atmospheric Alkaline Electrolyzer Manufacturers and Market Share, 2021-2026

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

4.4.2 United States Based Manufacturers Square Atmospheric Alkaline Electrolyzer Production Value (2021-2026)

4.4.3 United States Based Manufacturers Square Atmospheric Alkaline Electrolyzer Production (2021-2026)

4.5 China Based Square Atmospheric Alkaline Electrolyzer Manufacturers and Market Share

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

4.5.2 China Based Manufacturers Square Atmospheric Alkaline Electrolyzer Production Value (2021-2026)

4.5.3 China Based Manufacturers Square Atmospheric Alkaline Electrolyzer Production (2021-2026)

4.6 Rest of World Based Square Atmospheric Alkaline Electrolyzer Manufacturers and Market Share, 2021-2026

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

4.6.2 Rest of World Based Manufacturers Square Atmospheric Alkaline Electrolyzer Production Value (2021-2026)

4.6.3 Rest of World Based Manufacturers Square Atmospheric Alkaline Electrolyzer Production (2021-2026)

## **5 MARKET ANALYSIS BY TYPE**

5.1 World Square Atmospheric Alkaline Electrolyzer Market Size Overview by Type: 2021 VS 2025 VS 2032

5.2 Segment Introduction by Type

5.2.1 Medium-pressure Alkaline Electrolyzer

5.2.2 High-pressure Alkaline Electrolyzer

5.2.3 Ultra-high-pressure Alkaline Electrolyzer

5.3 Market Segment by Type

5.3.1 World Square Atmospheric Alkaline Electrolyzer Production by Type (2021-2032)

5.3.2 World Square Atmospheric Alkaline Electrolyzer Production Value by Type (2021-2032)

5.3.3 World Square Atmospheric Alkaline Electrolyzer Average Price by Type (2021-2032)

## **6 MARKET ANALYSIS BY CELL CONFIGURATION**

6.1 World Square Atmospheric Alkaline Electrolyzer Market Size Overview by Cell Configuration: 2021 VS 2025 VS 2032

6.2 Segment Introduction by Cell Configuration

6.2.1 Bipolar Plate Alkaline Cell

6.2.2 Monopolar Alkaline Cell

6.3 Market Segment by Cell Configuration

6.3.1 World Square Atmospheric Alkaline Electrolyzer Production by Cell Configuration (2021-2032)

6.3.2 World Square Atmospheric Alkaline Electrolyzer Production Value by Cell Configuration (2021-2032)

6.3.3 World Square Atmospheric Alkaline Electrolyzer Average Price by Cell Configuration (2021-2032)

## **7 MARKET ANALYSIS BY MATERIALS**

7.1 World Square Atmospheric Alkaline Electrolyzer Market Size Overview by Materials: 2021 VS 2025 VS 2032

7.2 Segment Introduction by Materials

7.2.1 Carbon Steel Pressure Electrolyzer

7.2.2 Stainless Steel Pressure Electrolyzer

7.2.3 Others

## 7.3 Market Segment by Materials

7.3.1 World Square Atmospheric Alkaline Electrolyzer Production by Materials (2021-2032)

7.3.2 World Square Atmospheric Alkaline Electrolyzer Production Value by Materials (2021-2032)

7.3.3 World Square Atmospheric Alkaline Electrolyzer Average Price by Materials (2021-2032)

## 8 MARKET ANALYSIS BY APPLICATION

8.1 World Square Atmospheric Alkaline Electrolyzer Market Size Overview by Application: 2021 VS 2025 VS 2032

### 8.2 Segment Introduction by Application

8.2.1 Power Plant

8.2.2 Steel Plant

8.2.3 Gas Plant

8.2.4 Others

### 8.3 Market Segment by Application

8.3.1 World Square Atmospheric Alkaline Electrolyzer Production by Application (2021-2032)

8.3.2 World Square Atmospheric Alkaline Electrolyzer Production Value by Application (2021-2032)

8.3.3 World Square Atmospheric Alkaline Electrolyzer Average Price by Application (2021-2032)

## 9 COMPANY PROFILES

### 9.1 McPhy Energy

9.1.1 McPhy Energy Details

9.1.2 McPhy Energy Major Business

9.1.3 McPhy Energy Square Atmospheric Alkaline Electrolyzer Product and Services

9.1.4 McPhy Energy Square Atmospheric Alkaline Electrolyzer Production, Price, Value, Gross Margin and Market Share (2021-2026)

9.1.5 McPhy Energy Recent Developments/Updates

9.1.6 McPhy Energy Competitive Strengths & Weaknesses

### 9.2 HydoTech

9.2.1 HydoTech Details

9.2.2 HydoTech Major Business

9.2.3 HydoTech Square Atmospheric Alkaline Electrolyzer Product and Services

9.2.4 HydoTech Square Atmospheric Alkaline Electrolyzer Production, Price, Value, Gross Margin and Market Share (2021-2026)

9.2.5 HydoTech Recent Developments/Updates

9.2.6 HydoTech Competitive Strengths & Weaknesses

9.3 Thyssenkrupp

9.3.1 Thyssenkrupp Details

9.3.2 Thyssenkrupp Major Business

9.3.3 Thyssenkrupp Square Atmospheric Alkaline Electrolyzer Product and Services

9.3.4 Thyssenkrupp Square Atmospheric Alkaline Electrolyzer Production, Price, Value, Gross Margin and Market Share (2021-2026)

9.3.5 Thyssenkrupp Recent Developments/Updates

9.3.6 Thyssenkrupp Competitive Strengths & Weaknesses

9.4 Edelman

9.4.1 Edelman Details

9.4.2 Edelman Major Business

9.4.3 Edelman Square Atmospheric Alkaline Electrolyzer Product and Services

9.4.4 Edelman Square Atmospheric Alkaline Electrolyzer Production, Price, Value, Gross Margin and Market Share (2021-2026)

9.4.5 Edelman Recent Developments/Updates

9.4.6 Edelman Competitive Strengths & Weaknesses

9.5 Shandong Lantuor Hydrogen Energy Technology

9.5.1 Shandong Lantuor Hydrogen Energy Technology Details

9.5.2 Shandong Lantuor Hydrogen Energy Technology Major Business

9.5.3 Shandong Lantuor Hydrogen Energy Technology Square Atmospheric Alkaline Electrolyzer Product and Services

9.5.4 Shandong Lantuor Hydrogen Energy Technology Square Atmospheric Alkaline Electrolyzer Production, Price, Value, Gross Margin and Market Share (2021-2026)

9.5.5 Shandong Lantuor Hydrogen Energy Technology Recent Developments/Updates

9.5.6 Shandong Lantuor Hydrogen Energy Technology Competitive Strengths & Weaknesses

9.6 Hongze (Jiangsu) Technology

9.6.1 Hongze (Jiangsu) Technology Details

9.6.2 Hongze (Jiangsu) Technology Major Business

9.6.3 Hongze (Jiangsu) Technology Square Atmospheric Alkaline Electrolyzer Product and Services

9.6.4 Hongze (Jiangsu) Technology Square Atmospheric Alkaline Electrolyzer Production, Price, Value, Gross Margin and Market Share (2021-2026)

9.6.5 Hongze (Jiangsu) Technology Recent Developments/Updates

9.6.6 Hongze (Jiangsu) Technology Competitive Strengths & Weaknesses

## 9.7 Suzhou Jiguan Technology

### 9.7.1 Suzhou Jiguan Technology Details

### 9.7.2 Suzhou Jiguan Technology Major Business

### 9.7.3 Suzhou Jiguan Technology Square Atmospheric Alkaline Electrolyzer Product and Services

### 9.7.4 Suzhou Jiguan Technology Square Atmospheric Alkaline Electrolyzer Production, Price, Value, Gross Margin and Market Share (2021-2026)

### 9.7.5 Suzhou Jiguan Technology Recent Developments/Updates

### 9.7.6 Suzhou Jiguan Technology Competitive Strengths & Weaknesses

## 9.8 Inner Mongolia Elion Hydrogen Time Technology

### 9.8.1 Inner Mongolia Elion Hydrogen Time Technology Details

### 9.8.2 Inner Mongolia Elion Hydrogen Time Technology Major Business

### 9.8.3 Inner Mongolia Elion Hydrogen Time Technology Square Atmospheric Alkaline Electrolyzer Product and Services

### 9.8.4 Inner Mongolia Elion Hydrogen Time Technology Square Atmospheric Alkaline Electrolyzer Production, Price, Value, Gross Margin and Market Share (2021-2026)

### 9.8.5 Inner Mongolia Elion Hydrogen Time Technology Recent Developments/Updates

### 9.8.6 Inner Mongolia Elion Hydrogen Time Technology Competitive Strengths & Weaknesses

## 9.9 SANY

### 9.9.1 SANY Details

### 9.9.2 SANY Major Business

### 9.9.3 SANY Square Atmospheric Alkaline Electrolyzer Product and Services

### 9.9.4 SANY Square Atmospheric Alkaline Electrolyzer Production, Price, Value, Gross Margin and Market Share (2021-2026)

### 9.9.5 SANY Recent Developments/Updates

### 9.9.6 SANY Competitive Strengths & Weaknesses

## 10 INDUSTRY CHAIN ANALYSIS

### 10.1 Square Atmospheric Alkaline Electrolyzer Industry Chain

### 10.2 Square Atmospheric Alkaline Electrolyzer Upstream Analysis

#### 10.2.1 Square Atmospheric Alkaline Electrolyzer Core Raw Materials

#### 10.2.2 Main Manufacturers of Square Atmospheric Alkaline Electrolyzer Core Raw Materials

### 10.3 Midstream Analysis

### 10.4 Downstream Analysis

### 10.5 Square Atmospheric Alkaline Electrolyzer Production Mode

### 10.6 Square Atmospheric Alkaline Electrolyzer Procurement Model

## 10.7 Square Atmospheric Alkaline Electrolyzer Industry Sales Model and Sales Channels

10.7.1 Square Atmospheric Alkaline Electrolyzer Sales Model

10.7.2 Square Atmospheric Alkaline Electrolyzer Typical Distributors

## **11 RESEARCH FINDINGS AND CONCLUSION**

## **12 APPENDIX**

12.1 Methodology

12.2 Research Process and Data Source

12.3 Disclaimer

## List Of Tables

### LIST OF TABLES

Table 1. World Square Atmospheric Alkaline Electrolyzer Production Value by Region (2021, 2025 and 2032) & (USD Million)

Table 2. World Square Atmospheric Alkaline Electrolyzer Production Value by Region (2021-2026) & (USD Million)

Table 3. World Square Atmospheric Alkaline Electrolyzer Production Value by Region (2027-2032) & (USD Million)

Table 4. World Square Atmospheric Alkaline Electrolyzer Production Value Market Share by Region (2021-2026)

Table 5. World Square Atmospheric Alkaline Electrolyzer Production Value Market Share by Region (2027-2032)

Table 6. World Square Atmospheric Alkaline Electrolyzer Production by Region (2021-2026) & (MW)

Table 7. World Square Atmospheric Alkaline Electrolyzer Production by Region (2027-2032) & (MW)

Table 8. World Square Atmospheric Alkaline Electrolyzer Production Market Share by Region (2021-2026)

Table 9. World Square Atmospheric Alkaline Electrolyzer Production Market Share by Region (2027-2032)

Table 10. World Square Atmospheric Alkaline Electrolyzer Average Price by Region (2021-2026) & (US\$/KW)

Table 11. World Square Atmospheric Alkaline Electrolyzer Average Price by Region (2027-2032) & (US\$/KW)

Table 12. Square Atmospheric Alkaline Electrolyzer Major Market Trends

Table 13. World Square Atmospheric Alkaline Electrolyzer Consumption Growth Rate Forecast by Region (2021 & 2025 & 2032) & (MW)

Table 14. World Square Atmospheric Alkaline Electrolyzer Consumption by Region (2021-2026) & (MW)

Table 15. World Square Atmospheric Alkaline Electrolyzer Consumption Forecast by Region (2027-2032) & (MW)

Table 16. World Square Atmospheric Alkaline Electrolyzer Production Value by Manufacturer (2021-2026) & (USD Million)

Table 17. Production Value Market Share of Key Square Atmospheric Alkaline Electrolyzer Producers in 2025

Table 18. World Square Atmospheric Alkaline Electrolyzer Production by Manufacturer (2021-2026) & (MW)

Table 19. Production Market Share of Key Square Atmospheric Alkaline Electrolyzer Producers in 2025

Table 20. World Square Atmospheric Alkaline Electrolyzer Average Price by Manufacturer (2021-2026) & (US\$/KW)

Table 21. Global Square Atmospheric Alkaline Electrolyzer Company Evaluation Quadrant

Table 22. World Square Atmospheric Alkaline Electrolyzer Industry Rank of Major Manufacturers, Based on Production Value in 2025

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

Table 24. Square Atmospheric Alkaline Electrolyzer Market: Company Product Type Footprint

Table 25. Square Atmospheric Alkaline Electrolyzer Market: Company Product Application Footprint

Table 26. Square Atmospheric Alkaline Electrolyzer Competitive Factors

Table 27. Square Atmospheric Alkaline Electrolyzer New Entrant and Capacity Expansion Plans

Table 28. Square Atmospheric Alkaline Electrolyzer Mergers & Acquisitions Activity

Table 29. United States VS China Square Atmospheric Alkaline Electrolyzer Production Value Comparison, (2021 & 2025 & 2032) & (USD Million)

Table 30. United States VS China Square Atmospheric Alkaline Electrolyzer Production Comparison, (2021 & 2025 & 2032) & (MW)

Table 31. United States VS China Square Atmospheric Alkaline Electrolyzer Consumption Comparison, (2021 & 2025 & 2032) & (MW)

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

Table 33. United States Based Manufacturers Square Atmospheric Alkaline Electrolyzer Production Value, (2021-2026) & (USD Million)

Table 34. United States Based Manufacturers Square Atmospheric Alkaline Electrolyzer Production Value Market Share (2021-2026)

Table 35. United States Based Manufacturers Square Atmospheric Alkaline Electrolyzer Production (2021-2026) & (MW)

Table 36. United States Based Manufacturers Square Atmospheric Alkaline Electrolyzer Production Market Share (2021-2026)

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

Table 38. China Based Manufacturers Square Atmospheric Alkaline Electrolyzer Production Value, (2021-2026) & (USD Million)

Table 39. China Based Manufacturers Square Atmospheric Alkaline Electrolyzer

Production Value Market Share (2021-2026)

Table 40. China Based Manufacturers Square Atmospheric Alkaline Electrolyzer Production, (2021-2026) & (MW)

Table 41. China Based Manufacturers Square Atmospheric Alkaline Electrolyzer Production Market Share (2021-2026)

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

Table 43. Rest of World Based Manufacturers Square Atmospheric Alkaline Electrolyzer Production Value, (2021-2026) & (USD Million)

Table 44. Rest of World Based Manufacturers Square Atmospheric Alkaline Electrolyzer Production Value Market Share (2021-2026)

Table 45. Rest of World Based Manufacturers Square Atmospheric Alkaline Electrolyzer Production, (2021-2026) & (MW)

Table 46. Rest of World Based Manufacturers Square Atmospheric Alkaline Electrolyzer Production Market Share (2021-2026)

Table 47. World Square Atmospheric Alkaline Electrolyzer Production Value by Type, (USD Million), 2021 & 2025 & 2032

Table 48. World Square Atmospheric Alkaline Electrolyzer Production by Type (2021-2026) & (MW)

Table 49. World Square Atmospheric Alkaline Electrolyzer Production by Type (2027-2032) & (MW)

Table 50. World Square Atmospheric Alkaline Electrolyzer Production Value by Type (2021-2026) & (USD Million)

Table 51. World Square Atmospheric Alkaline Electrolyzer Production Value by Type (2027-2032) & (USD Million)

Table 52. World Square Atmospheric Alkaline Electrolyzer Average Price by Type (2021-2026) & (US\$/KW)

Table 53. World Square Atmospheric Alkaline Electrolyzer Average Price by Type (2027-2032) & (US\$/KW)

Table 54. World Square Atmospheric Alkaline Electrolyzer Production Value by Cell Configuration, (USD Million), 2021 & 2025 & 2032

Table 55. World Square Atmospheric Alkaline Electrolyzer Production by Cell Configuration (2021-2026) & (MW)

Table 56. World Square Atmospheric Alkaline Electrolyzer Production by Cell Configuration (2027-2032) & (MW)

Table 57. World Square Atmospheric Alkaline Electrolyzer Production Value by Cell Configuration (2021-2026) & (USD Million)

Table 58. World Square Atmospheric Alkaline Electrolyzer Production Value by Cell Configuration (2027-2032) & (USD Million)

Table 59. World Square Atmospheric Alkaline Electrolyzer Average Price by Cell Configuration (2021-2026) & (US\$/KW)

Table 60. World Square Atmospheric Alkaline Electrolyzer Average Price by Cell Configuration (2027-2032) & (US\$/KW)

Table 61. World Square Atmospheric Alkaline Electrolyzer Production Value by Materials, (USD Million), 2021 & 2025 & 2032

Table 62. World Square Atmospheric Alkaline Electrolyzer Production by Materials (2021-2026) & (MW)

Table 63. World Square Atmospheric Alkaline Electrolyzer Production by Materials (2027-2032) & (MW)

Table 64. World Square Atmospheric Alkaline Electrolyzer Production Value by Materials (2021-2026) & (USD Million)

Table 65. World Square Atmospheric Alkaline Electrolyzer Production Value by Materials (2027-2032) & (USD Million)

Table 66. World Square Atmospheric Alkaline Electrolyzer Average Price by Materials (2021-2026) & (US\$/KW)

Table 67. World Square Atmospheric Alkaline Electrolyzer Average Price by Materials (2027-2032) & (US\$/KW)

Table 68. World Square Atmospheric Alkaline Electrolyzer Production Value by Application, (USD Million), 2021 & 2025 & 2032

Table 69. World Square Atmospheric Alkaline Electrolyzer Production by Application (2021-2026) & (MW)

Table 70. World Square Atmospheric Alkaline Electrolyzer Production by Application (2027-2032) & (MW)

Table 71. World Square Atmospheric Alkaline Electrolyzer Production Value by Application (2021-2026) & (USD Million)

Table 72. World Square Atmospheric Alkaline Electrolyzer Production Value by Application (2027-2032) & (USD Million)

Table 73. World Square Atmospheric Alkaline Electrolyzer Average Price by Application (2021-2026) & (US\$/KW)

Table 74. World Square Atmospheric Alkaline Electrolyzer Average Price by Application (2027-2032) & (US\$/KW)

Table 75. McPhy Energy Basic Information, Manufacturing Base and Competitors

Table 76. McPhy Energy Major Business

Table 77. McPhy Energy Square Atmospheric Alkaline Electrolyzer Product and Services

Table 78. McPhy Energy Square Atmospheric Alkaline Electrolyzer Production (MW), Price (US\$/KW), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

- Table 79. McPhy Energy Recent Developments/Updates
- Table 80. McPhy Energy Competitive Strengths & Weaknesses
- Table 81. HydoTech Basic Information, Manufacturing Base and Competitors
- Table 82. HydoTech Major Business
- Table 83. HydoTech Square Atmospheric Alkaline Electrolyzer Product and Services
- Table 84. HydoTech Square Atmospheric Alkaline Electrolyzer Production (MW), Price (US\$/KW), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
- Table 85. HydoTech Recent Developments/Updates
- Table 86. HydoTech Competitive Strengths & Weaknesses
- Table 87. Thyssenkrupp Basic Information, Manufacturing Base and Competitors
- Table 88. Thyssenkrupp Major Business
- Table 89. Thyssenkrupp Square Atmospheric Alkaline Electrolyzer Product and Services
- Table 90. Thyssenkrupp Square Atmospheric Alkaline Electrolyzer Production (MW), Price (US\$/KW), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
- Table 91. Thyssenkrupp Recent Developments/Updates
- Table 92. Thyssenkrupp Competitive Strengths & Weaknesses
- Table 93. Edelman Basic Information, Manufacturing Base and Competitors
- Table 94. Edelman Major Business
- Table 95. Edelman Square Atmospheric Alkaline Electrolyzer Product and Services
- Table 96. Edelman Square Atmospheric Alkaline Electrolyzer Production (MW), Price (US\$/KW), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
- Table 97. Edelman Recent Developments/Updates
- Table 98. Edelman Competitive Strengths & Weaknesses
- Table 99. Shandong Lantuo Hydrogen Energy Technology Basic Information, Manufacturing Base and Competitors
- Table 100. Shandong Lantuo Hydrogen Energy Technology Major Business
- Table 101. Shandong Lantuo Hydrogen Energy Technology Square Atmospheric Alkaline Electrolyzer Product and Services
- Table 102. Shandong Lantuo Hydrogen Energy Technology Square Atmospheric Alkaline Electrolyzer Production (MW), Price (US\$/KW), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
- Table 103. Shandong Lantuo Hydrogen Energy Technology Recent Developments/Updates
- Table 104. Shandong Lantuo Hydrogen Energy Technology Competitive Strengths & Weaknesses

Table 105. Hongze (Jiangsu) Technology Basic Information, Manufacturing Base and Competitors

Table 106. Hongze (Jiangsu) Technology Major Business

Table 107. Hongze (Jiangsu) Technology Square Atmospheric Alkaline Electrolyzer Product and Services

Table 108. Hongze (Jiangsu) Technology Square Atmospheric Alkaline Electrolyzer Production (MW), Price (US\$/KW), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 109. Hongze (Jiangsu) Technology Recent Developments/Updates

Table 110. Hongze (Jiangsu) Technology Competitive Strengths & Weaknesses

Table 111. Suzhou Jiguan Technology Basic Information, Manufacturing Base and Competitors

Table 112. Suzhou Jiguan Technology Major Business

Table 113. Suzhou Jiguan Technology Square Atmospheric Alkaline Electrolyzer Product and Services

Table 114. Suzhou Jiguan Technology Square Atmospheric Alkaline Electrolyzer Production (MW), Price (US\$/KW), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 115. Suzhou Jiguan Technology Recent Developments/Updates

Table 116. Suzhou Jiguan Technology Competitive Strengths & Weaknesses

Table 117. Inner Mongolia Elion Hydrogen Time Technology Basic Information, Manufacturing Base and Competitors

Table 118. Inner Mongolia Elion Hydrogen Time Technology Major Business

Table 119. Inner Mongolia Elion Hydrogen Time Technology Square Atmospheric Alkaline Electrolyzer Product and Services

Table 120. Inner Mongolia Elion Hydrogen Time Technology Square Atmospheric Alkaline Electrolyzer Production (MW), Price (US\$/KW), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 121. Inner Mongolia Elion Hydrogen Time Technology Recent Developments/Updates

Table 122. Inner Mongolia Elion Hydrogen Time Technology Competitive Strengths & Weaknesses

Table 123. SANY Basic Information, Manufacturing Base and Competitors

Table 124. SANY Major Business

Table 125. SANY Square Atmospheric Alkaline Electrolyzer Product and Services

Table 126. SANY Square Atmospheric Alkaline Electrolyzer Production (MW), Price (US\$/KW), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 127. SANY Recent Developments/Updates

Table 128. SANY Competitive Strengths & Weaknesses

Table 129. Global Key Players of Square Atmospheric Alkaline Electrolyzer Upstream (Raw Materials)

Table 130. Global Square Atmospheric Alkaline Electrolyzer Typical Customers

Table 131. Square Atmospheric Alkaline Electrolyzer Typical Distributors

## List Of Figures

### LIST OF FIGURES

Figure 1. Square Atmospheric Alkaline Electrolyzer Picture

Figure 2. World Square Atmospheric Alkaline Electrolyzer Production Value: 2021 & 2025 & 2032, (USD Million)

Figure 3. World Square Atmospheric Alkaline Electrolyzer Production Value and Forecast (2021-2032) & (USD Million)

Figure 4. World Square Atmospheric Alkaline Electrolyzer Production (2021-2032) & (MW)

Figure 5. World Square Atmospheric Alkaline Electrolyzer Average Price (2021-2032) & (US\$/KW)

Figure 6. World Square Atmospheric Alkaline Electrolyzer Production Value Market Share by Region (2021-2032)

Figure 7. World Square Atmospheric Alkaline Electrolyzer Production Market Share by Region (2021-2032)

Figure 8. North America Square Atmospheric Alkaline Electrolyzer Production (2021-2032) & (MW)

Figure 9. Europe Square Atmospheric Alkaline Electrolyzer Production (2021-2032) & (MW)

Figure 10. China Square Atmospheric Alkaline Electrolyzer Production (2021-2032) & (MW)

Figure 11. Japan Square Atmospheric Alkaline Electrolyzer Production (2021-2032) & (MW)

Figure 12. Square Atmospheric Alkaline Electrolyzer Market Drivers

Figure 13. Factors Affecting Demand

Figure 14. World Square Atmospheric Alkaline Electrolyzer Consumption (2021-2032) & (MW)

Figure 15. World Square Atmospheric Alkaline Electrolyzer Consumption Market Share by Region (2021-2032)

Figure 16. United States Square Atmospheric Alkaline Electrolyzer Consumption (2021-2032) & (MW)

Figure 17. China Square Atmospheric Alkaline Electrolyzer Consumption (2021-2032) & (MW)

Figure 18. Europe Square Atmospheric Alkaline Electrolyzer Consumption (2021-2032) & (MW)

Figure 19. Japan Square Atmospheric Alkaline Electrolyzer Consumption (2021-2032) & (MW)

Figure 20. South Korea Square Atmospheric Alkaline Electrolyzer Consumption (2021-2032) & (MW)

Figure 21. ASEAN Square Atmospheric Alkaline Electrolyzer Consumption (2021-2032) & (MW)

Figure 22. India Square Atmospheric Alkaline Electrolyzer Consumption (2021-2032) & (MW)

Figure 23. Producer Shipments of Square Atmospheric Alkaline Electrolyzer by Manufacturer Revenue (\$MM) and Market Share (%): 2025

Figure 24. Global Four-firm Concentration Ratios (CR4) for Square Atmospheric Alkaline Electrolyzer Markets in 2025

Figure 25. Global Four-firm Concentration Ratios (CR8) for Square Atmospheric Alkaline Electrolyzer Markets in 2025

Figure 26. United States VS China: Square Atmospheric Alkaline Electrolyzer Production Value Market Share Comparison (2021 & 2025 & 2032)

Figure 27. United States VS China: Square Atmospheric Alkaline Electrolyzer Production Market Share Comparison (2021 & 2025 & 2032)

Figure 28. United States VS China: Square Atmospheric Alkaline Electrolyzer Consumption Market Share Comparison (2021 & 2025 & 2032)

Figure 29. United States Based Manufacturers Square Atmospheric Alkaline Electrolyzer Production Market Share 2025

Figure 30. China Based Manufacturers Square Atmospheric Alkaline Electrolyzer Production Market Share 2025

Figure 31. Rest of World Based Manufacturers Square Atmospheric Alkaline Electrolyzer Production Market Share 2025

Figure 32. World Square Atmospheric Alkaline Electrolyzer Production Value by Type, (USD Million), 2021 & 2025 & 2032

Figure 33. World Square Atmospheric Alkaline Electrolyzer Production Value Market Share by Type in 2025

Figure 34. Medium-pressure Alkaline Electrolyzer

Figure 35. High-pressure Alkaline Electrolyzer

Figure 36. Ultra-high-pressure Alkaline Electrolyzer

Figure 37. World Square Atmospheric Alkaline Electrolyzer Production Market Share by Type (2021-2032)

Figure 38. World Square Atmospheric Alkaline Electrolyzer Production Value Market Share by Type (2021-2032)

Figure 39. World Square Atmospheric Alkaline Electrolyzer Average Price by Type (2021-2032) & (US\$/KW)

Figure 40. World Square Atmospheric Alkaline Electrolyzer Production Value by Cell Configuration, (USD Million), 2021 & 2025 & 2032

Figure 41. World Square Atmospheric Alkaline Electrolyzer Production Value Market Share by Cell Configuration in 2025

Figure 42. Bipolar Plate Alkaline Cell

Figure 43. Monopolar Alkaline Cell

Figure 44. World Square Atmospheric Alkaline Electrolyzer Production Market Share by Cell Configuration (2021-2032)

Figure 45. World Square Atmospheric Alkaline Electrolyzer Production Value Market Share by Cell Configuration (2021-2032)

Figure 46. World Square Atmospheric Alkaline Electrolyzer Average Price by Cell Configuration (2021-2032) & (US\$/KW)

Figure 47. World Square Atmospheric Alkaline Electrolyzer Production Value by Materials, (USD Million), 2021 & 2025 & 2032

Figure 48. World Square Atmospheric Alkaline Electrolyzer Production Value Market Share by Materials in 2025

Figure 49. Carbon Steel Pressure Electrolyzer

Figure 50. Stainless Steel Pressure Electrolyzer

Figure 51. Others

Figure 52. World Square Atmospheric Alkaline Electrolyzer Production Market Share by Materials (2021-2032)

Figure 53. World Square Atmospheric Alkaline Electrolyzer Production Value Market Share by Materials (2021-2032)

Figure 54. World Square Atmospheric Alkaline Electrolyzer Average Price by Materials (2021-2032) & (US\$/KW)

Figure 55. World Square Atmospheric Alkaline Electrolyzer Production Value by Application, (USD Million), 2021 & 2025 & 2032

Figure 56. World Square Atmospheric Alkaline Electrolyzer Production Value Market Share by Application in 2025

Figure 57. Power Plant

Figure 58. Steel Plant

Figure 59. Gas Plant

Figure 60. Others

Figure 61. World Square Atmospheric Alkaline Electrolyzer Production Market Share by Application (2021-2032)

Figure 62. World Square Atmospheric Alkaline Electrolyzer Production Value Market Share by Application (2021-2032)

Figure 63. World Square Atmospheric Alkaline Electrolyzer Average Price by Application (2021-2032) & (US\$/KW)

Figure 64. Square Atmospheric Alkaline Electrolyzer Industry Chain

Figure 65. Square Atmospheric Alkaline Electrolyzer Procurement Model

Figure 66. Square Atmospheric Alkaline Electrolyzer Sales Model

Figure 67. Square Atmospheric Alkaline Electrolyzer Sales Channels, Direct Sales, and Distribution

Figure 68. Methodology

Figure 69. Research Process and Data Source

## I would like to order

Product name: Global Square Atmospheric Alkaline Electrolyzer Supply, Demand and Key Producers, 2026-2032

Product link: <https://marketpublishers.com/r/G2388B9EB910EN.html>

Price: US\$ 4,480.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:

[info@marketpublishers.com](mailto:info@marketpublishers.com)

## Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/G2388B9EB910EN.html>