

# Global Catalyst for Proton Exchange Membrane Fuel Cell Market Research Report 2023

<https://marketpublishers.com/r/GCCE7579B959EN.html>

Date: October 2023

Pages: 139

Price: US\$ 2,900.00 (Single User License)

ID: GCCE7579B959EN

## Abstracts

This report aims to provide a comprehensive presentation of the global market for Catalyst for Proton Exchange Membrane Fuel Cell, with both quantitative and qualitative analysis, to help readers develop business/growth strategies, assess the market competitive situation, analyze their position in the current marketplace, and make informed business decisions regarding Catalyst for Proton Exchange Membrane Fuel Cell.

The Catalyst for Proton Exchange Membrane Fuel Cell market size, estimations, and forecasts are provided in terms of output/shipments (Kg) and revenue (\$ millions), considering 2022 as the base year, with history and forecast data for the period from 2018 to 2029. This report segments the global Catalyst for Proton Exchange Membrane Fuel Cell market comprehensively. Regional market sizes, concerning products by type, by application and by players, are also provided.

For a more in-depth understanding of the market, the report provides profiles of the competitive landscape, key competitors, and their respective market ranks. The report also discusses technological trends and new product developments.

The report will help the Catalyst for Proton Exchange Membrane Fuel Cell manufacturers, new entrants, and industry chain related companies in this market with information on the revenues, production, and average price for the overall market and the sub-segments across the different segments, by company, by type, by application, and by regions.

By Company

Cataler Corporation

Umicore

Johnson Matthey

Tanaka

Heraeus

ENY-Mobility

Ames Goldsmith

Nisshinbo

VINATech

Clariant

BASF

Jiangsu Yanchang Sunlaite New Energy Co

Ningbo Zhongke

SuZhou Hydrogine Power Technology Co

## Segment by Type

Platinum Metal Catalyst

Nitrogen Catalyst

Carbon Catalyst

Other

## Segment by Application

3C Battery

Power Battery

Energy Storage Battery

## Production by Region

North America

Europe

China

Japan

## Consumption by Region

North America

United States

Canada

Europe

Germany

France

U.K.

Italy

Russia

## Asia-Pacific

China

Japan

South Korea

China Taiwan

Southeast Asia

India

## Latin America

Mexico

Brazil

## Core Chapters

Chapter 1: Introduces the report scope of the report, executive summary of different market segments (by region, by type, by application, etc), including the market size of each market segment, future development potential, and so on. It offers a high-level view of the current state of the market and its likely evolution in the short to mid-term, and long term.

Chapter 2: Detailed analysis of Catalyst for Proton Exchange Membrane Fuel Cell manufacturers competitive landscape, price, production and value market share, latest development plan, merger, and acquisition information, etc.

Chapter 3: Production/output, value of Catalyst for Proton Exchange Membrane Fuel Cell by region/country. It provides a quantitative analysis of the market size and development potential of each region in the next six years.

Chapter 4: Consumption of Catalyst for Proton Exchange Membrane Fuel Cell in

regional level and country level. It provides a quantitative analysis of the market size and development potential of each region and its main countries and introduces the market development, future development prospects, market space, and production of each country in the world.

Chapter 5: Provides the analysis of various market segments by type, covering the market size and development potential of each market segment, to help readers find the blue ocean market in different market segments.

Chapter 6: Provides the analysis of various market segments by application, covering the market size and development potential of each market segment, to help readers find the blue ocean market in different downstream markets.

Chapter 7: Provides profiles of key players, introducing the basic situation of the key companies in the market in detail, including product production/output, value, price, gross margin, product introduction, recent development, etc.

Chapter 8: Analysis of industrial chain, including the upstream and downstream of the industry.

Chapter 9: Introduces the market dynamics, latest developments of the market, the driving factors and restrictive factors of the market, the challenges and risks faced by manufacturers in the industry, and the analysis of relevant policies in the industry.

Chapter 10: The main points and conclusions of the report.

## Contents

### **1 CATALYST FOR PROTON EXCHANGE MEMBRANE FUEL CELL MARKET OVERVIEW**

#### 1.1 Product Definition

#### 1.2 Catalyst for Proton Exchange Membrane Fuel Cell Segment by Type

##### 1.2.1 Global Catalyst for Proton Exchange Membrane Fuel Cell Market Value Growth Rate Analysis by Type 2022 VS 2029

##### 1.2.2 Platinum Metal Catalyst

##### 1.2.3 Nitrogen Catalyst

##### 1.2.4 Carbon Catalyst

##### 1.2.5 Other

#### 1.3 Catalyst for Proton Exchange Membrane Fuel Cell Segment by Application

##### 1.3.1 Global Catalyst for Proton Exchange Membrane Fuel Cell Market Value Growth Rate Analysis by Application: 2022 VS 2029

##### 1.3.2 3C Battery

##### 1.3.3 Power Battery

##### 1.3.4 Energy Storage Battery

#### 1.4 Global Market Growth Prospects

##### 1.4.1 Global Catalyst for Proton Exchange Membrane Fuel Cell Production Value Estimates and Forecasts (2018-2029)

##### 1.4.2 Global Catalyst for Proton Exchange Membrane Fuel Cell Production Capacity Estimates and Forecasts (2018-2029)

##### 1.4.3 Global Catalyst for Proton Exchange Membrane Fuel Cell Production Estimates and Forecasts (2018-2029)

##### 1.4.4 Global Catalyst for Proton Exchange Membrane Fuel Cell Market Average Price Estimates and Forecasts (2018-2029)

#### 1.5 Assumptions and Limitations

### **2 MARKET COMPETITION BY MANUFACTURERS**

#### 2.1 Global Catalyst for Proton Exchange Membrane Fuel Cell Production Market Share by Manufacturers (2018-2023)

#### 2.2 Global Catalyst for Proton Exchange Membrane Fuel Cell Production Value Market Share by Manufacturers (2018-2023)

#### 2.3 Global Key Players of Catalyst for Proton Exchange Membrane Fuel Cell, Industry Ranking, 2021 VS 2022 VS 2023

#### 2.4 Global Catalyst for Proton Exchange Membrane Fuel Cell Market Share by

Company Type (Tier 1, Tier 2 and Tier 3)

2.5 Global Catalyst for Proton Exchange Membrane Fuel Cell Average Price by Manufacturers (2018-2023)

2.6 Global Key Manufacturers of Catalyst for Proton Exchange Membrane Fuel Cell, Manufacturing Base Distribution and Headquarters

2.7 Global Key Manufacturers of Catalyst for Proton Exchange Membrane Fuel Cell, Product Offered and Application

2.8 Global Key Manufacturers of Catalyst for Proton Exchange Membrane Fuel Cell, Date of Enter into This Industry

2.9 Catalyst for Proton Exchange Membrane Fuel Cell Market Competitive Situation and Trends

2.9.1 Catalyst for Proton Exchange Membrane Fuel Cell Market Concentration Rate

2.9.2 Global 5 and 10 Largest Catalyst for Proton Exchange Membrane Fuel Cell Players Market Share by Revenue

2.10 Mergers & Acquisitions, Expansion

### **3 CATALYST FOR PROTON EXCHANGE MEMBRANE FUEL CELL PRODUCTION BY REGION**

3.1 Global Catalyst for Proton Exchange Membrane Fuel Cell Production Value Estimates and Forecasts by Region: 2018 VS 2022 VS 2029

3.2 Global Catalyst for Proton Exchange Membrane Fuel Cell Production Value by Region (2018-2029)

3.2.1 Global Catalyst for Proton Exchange Membrane Fuel Cell Production Value Market Share by Region (2018-2023)

3.2.2 Global Forecasted Production Value of Catalyst for Proton Exchange Membrane Fuel Cell by Region (2024-2029)

3.3 Global Catalyst for Proton Exchange Membrane Fuel Cell Production Estimates and Forecasts by Region: 2018 VS 2022 VS 2029

3.4 Global Catalyst for Proton Exchange Membrane Fuel Cell Production by Region (2018-2029)

3.4.1 Global Catalyst for Proton Exchange Membrane Fuel Cell Production Market Share by Region (2018-2023)

3.4.2 Global Forecasted Production of Catalyst for Proton Exchange Membrane Fuel Cell by Region (2024-2029)

3.5 Global Catalyst for Proton Exchange Membrane Fuel Cell Market Price Analysis by Region (2018-2023)

3.6 Global Catalyst for Proton Exchange Membrane Fuel Cell Production and Value, Year-over-Year Growth

3.6.1 North America Catalyst for Proton Exchange Membrane Fuel Cell Production Value Estimates and Forecasts (2018-2029)

3.6.2 Europe Catalyst for Proton Exchange Membrane Fuel Cell Production Value Estimates and Forecasts (2018-2029)

3.6.3 China Catalyst for Proton Exchange Membrane Fuel Cell Production Value Estimates and Forecasts (2018-2029)

3.6.4 Japan Catalyst for Proton Exchange Membrane Fuel Cell Production Value Estimates and Forecasts (2018-2029)

## **4 CATALYST FOR PROTON EXCHANGE MEMBRANE FUEL CELL CONSUMPTION BY REGION**

4.1 Global Catalyst for Proton Exchange Membrane Fuel Cell Consumption Estimates and Forecasts by Region: 2018 VS 2022 VS 2029

4.2 Global Catalyst for Proton Exchange Membrane Fuel Cell Consumption by Region (2018-2029)

4.2.1 Global Catalyst for Proton Exchange Membrane Fuel Cell Consumption by Region (2018-2023)

4.2.2 Global Catalyst for Proton Exchange Membrane Fuel Cell Forecasted Consumption by Region (2024-2029)

4.3 North America

4.3.1 North America Catalyst for Proton Exchange Membrane Fuel Cell Consumption Growth Rate by Country: 2018 VS 2022 VS 2029

4.3.2 North America Catalyst for Proton Exchange Membrane Fuel Cell Consumption by Country (2018-2029)

4.3.3 United States

4.3.4 Canada

4.4 Europe

4.4.1 Europe Catalyst for Proton Exchange Membrane Fuel Cell Consumption Growth Rate by Country: 2018 VS 2022 VS 2029

4.4.2 Europe Catalyst for Proton Exchange Membrane Fuel Cell Consumption by Country (2018-2029)

4.4.3 Germany

4.4.4 France

4.4.5 U.K.

4.4.6 Italy

4.4.7 Russia

4.5 Asia Pacific

4.5.1 Asia Pacific Catalyst for Proton Exchange Membrane Fuel Cell Consumption



Growth Rate by Region: 2018 VS 2022 VS 2029

4.5.2 Asia Pacific Catalyst for Proton Exchange Membrane Fuel Cell Consumption by Region (2018-2029)

4.5.3 China

4.5.4 Japan

4.5.5 South Korea

4.5.6 China Taiwan

4.5.7 Southeast Asia

4.5.8 India

4.6 Latin America, Middle East & Africa

4.6.1 Latin America, Middle East & Africa Catalyst for Proton Exchange Membrane Fuel Cell Consumption Growth Rate by Country: 2018 VS 2022 VS 2029

4.6.2 Latin America, Middle East & Africa Catalyst for Proton Exchange Membrane Fuel Cell Consumption by Country (2018-2029)

4.6.3 Mexico

4.6.4 Brazil

4.6.5 Turkey

## **5 SEGMENT BY TYPE**

5.1 Global Catalyst for Proton Exchange Membrane Fuel Cell Production by Type (2018-2029)

5.1.1 Global Catalyst for Proton Exchange Membrane Fuel Cell Production by Type (2018-2023)

5.1.2 Global Catalyst for Proton Exchange Membrane Fuel Cell Production by Type (2024-2029)

5.1.3 Global Catalyst for Proton Exchange Membrane Fuel Cell Production Market Share by Type (2018-2029)

5.2 Global Catalyst for Proton Exchange Membrane Fuel Cell Production Value by Type (2018-2029)

5.2.1 Global Catalyst for Proton Exchange Membrane Fuel Cell Production Value by Type (2018-2023)

5.2.2 Global Catalyst for Proton Exchange Membrane Fuel Cell Production Value by Type (2024-2029)

5.2.3 Global Catalyst for Proton Exchange Membrane Fuel Cell Production Value Market Share by Type (2018-2029)

5.3 Global Catalyst for Proton Exchange Membrane Fuel Cell Price by Type (2018-2029)

## **6 SEGMENT BY APPLICATION**

6.1 Global Catalyst for Proton Exchange Membrane Fuel Cell Production by Application (2018-2029)

6.1.1 Global Catalyst for Proton Exchange Membrane Fuel Cell Production by Application (2018-2023)

6.1.2 Global Catalyst for Proton Exchange Membrane Fuel Cell Production by Application (2024-2029)

6.1.3 Global Catalyst for Proton Exchange Membrane Fuel Cell Production Market Share by Application (2018-2029)

6.2 Global Catalyst for Proton Exchange Membrane Fuel Cell Production Value by Application (2018-2029)

6.2.1 Global Catalyst for Proton Exchange Membrane Fuel Cell Production Value by Application (2018-2023)

6.2.2 Global Catalyst for Proton Exchange Membrane Fuel Cell Production Value by Application (2024-2029)

6.2.3 Global Catalyst for Proton Exchange Membrane Fuel Cell Production Value Market Share by Application (2018-2029)

6.3 Global Catalyst for Proton Exchange Membrane Fuel Cell Price by Application (2018-2029)

## **7 KEY COMPANIES PROFILED**

7.1 Cataler Corporation

7.1.1 Cataler Corporation Catalyst for Proton Exchange Membrane Fuel Cell Corporation Information

7.1.2 Cataler Corporation Catalyst for Proton Exchange Membrane Fuel Cell Product Portfolio

7.1.3 Cataler Corporation Catalyst for Proton Exchange Membrane Fuel Cell Production, Value, Price and Gross Margin (2018-2023)

7.1.4 Cataler Corporation Main Business and Markets Served

7.1.5 Cataler Corporation Recent Developments/Updates

7.2 Umicore

7.2.1 Umicore Catalyst for Proton Exchange Membrane Fuel Cell Corporation Information

7.2.2 Umicore Catalyst for Proton Exchange Membrane Fuel Cell Product Portfolio

7.2.3 Umicore Catalyst for Proton Exchange Membrane Fuel Cell Production, Value, Price and Gross Margin (2018-2023)

7.2.4 Umicore Main Business and Markets Served

#### 7.2.5 Umicore Recent Developments/Updates

### 7.3 Johnson Matthey

#### 7.3.1 Johnson Matthey Catalyst for Proton Exchange Membrane Fuel Cell Corporation Information

#### 7.3.2 Johnson Matthey Catalyst for Proton Exchange Membrane Fuel Cell Product Portfolio

#### 7.3.3 Johnson Matthey Catalyst for Proton Exchange Membrane Fuel Cell Production, Value, Price and Gross Margin (2018-2023)

#### 7.3.4 Johnson Matthey Main Business and Markets Served

#### 7.3.5 Johnson Matthey Recent Developments/Updates

### 7.4 Tanaka

#### 7.4.1 Tanaka Catalyst for Proton Exchange Membrane Fuel Cell Corporation Information

#### 7.4.2 Tanaka Catalyst for Proton Exchange Membrane Fuel Cell Product Portfolio

#### 7.4.3 Tanaka Catalyst for Proton Exchange Membrane Fuel Cell Production, Value, Price and Gross Margin (2018-2023)

#### 7.4.4 Tanaka Main Business and Markets Served

#### 7.4.5 Tanaka Recent Developments/Updates

### 7.5 Heraeus

#### 7.5.1 Heraeus Catalyst for Proton Exchange Membrane Fuel Cell Corporation Information

#### 7.5.2 Heraeus Catalyst for Proton Exchange Membrane Fuel Cell Product Portfolio

#### 7.5.3 Heraeus Catalyst for Proton Exchange Membrane Fuel Cell Production, Value, Price and Gross Margin (2018-2023)

#### 7.5.4 Heraeus Main Business and Markets Served

#### 7.5.5 Heraeus Recent Developments/Updates

### 7.6 ENY-Mobility

#### 7.6.1 ENY-Mobility Catalyst for Proton Exchange Membrane Fuel Cell Corporation Information

#### 7.6.2 ENY-Mobility Catalyst for Proton Exchange Membrane Fuel Cell Product Portfolio

#### 7.6.3 ENY-Mobility Catalyst for Proton Exchange Membrane Fuel Cell Production, Value, Price and Gross Margin (2018-2023)

#### 7.6.4 ENY-Mobility Main Business and Markets Served

#### 7.6.5 ENY-Mobility Recent Developments/Updates

### 7.7 Ames Goldsmith

#### 7.7.1 Ames Goldsmith Catalyst for Proton Exchange Membrane Fuel Cell Corporation Information

#### 7.7.2 Ames Goldsmith Catalyst for Proton Exchange Membrane Fuel Cell Product

## Portfolio

7.7.3 Ames Goldsmith Catalyst for Proton Exchange Membrane Fuel Cell Production, Value, Price and Gross Margin (2018-2023)

7.7.4 Ames Goldsmith Main Business and Markets Served

7.7.5 Ames Goldsmith Recent Developments/Updates

## 7.8 Nisshinbo

7.8.1 Nisshinbo Catalyst for Proton Exchange Membrane Fuel Cell Corporation Information

7.8.2 Nisshinbo Catalyst for Proton Exchange Membrane Fuel Cell Product Portfolio

7.8.3 Nisshinbo Catalyst for Proton Exchange Membrane Fuel Cell Production, Value, Price and Gross Margin (2018-2023)

7.8.4 Nisshinbo Main Business and Markets Served

7.7.5 Nisshinbo Recent Developments/Updates

## 7.9 VINATech

7.9.1 VINATech Catalyst for Proton Exchange Membrane Fuel Cell Corporation Information

7.9.2 VINATech Catalyst for Proton Exchange Membrane Fuel Cell Product Portfolio

7.9.3 VINATech Catalyst for Proton Exchange Membrane Fuel Cell Production, Value, Price and Gross Margin (2018-2023)

7.9.4 VINATech Main Business and Markets Served

7.9.5 VINATech Recent Developments/Updates

## 7.10 Clariant

7.10.1 Clariant Catalyst for Proton Exchange Membrane Fuel Cell Corporation Information

7.10.2 Clariant Catalyst for Proton Exchange Membrane Fuel Cell Product Portfolio

7.10.3 Clariant Catalyst for Proton Exchange Membrane Fuel Cell Production, Value, Price and Gross Margin (2018-2023)

7.10.4 Clariant Main Business and Markets Served

7.10.5 Clariant Recent Developments/Updates

## 7.11 BASF

7.11.1 BASF Catalyst for Proton Exchange Membrane Fuel Cell Corporation Information

7.11.2 BASF Catalyst for Proton Exchange Membrane Fuel Cell Product Portfolio

7.11.3 BASF Catalyst for Proton Exchange Membrane Fuel Cell Production, Value, Price and Gross Margin (2018-2023)

7.11.4 BASF Main Business and Markets Served

7.11.5 BASF Recent Developments/Updates

## 7.12 Jiangsu Yanchang Sunlaite New Energy Co

7.12.1 Jiangsu Yanchang Sunlaite New Energy Co Catalyst for Proton Exchange

## Membrane Fuel Cell Corporation Information

7.12.2 Jiangsu Yanchang Sunlaite New Energy Co Catalyst for Proton Exchange Membrane Fuel Cell Product Portfolio

7.12.3 Jiangsu Yanchang Sunlaite New Energy Co Catalyst for Proton Exchange Membrane Fuel Cell Production, Value, Price and Gross Margin (2018-2023)

7.12.4 Jiangsu Yanchang Sunlaite New Energy Co Main Business and Markets Served

7.12.5 Jiangsu Yanchang Sunlaite New Energy Co Recent Developments/Updates

## 7.13 Ningbo Zhongke

7.13.1 Ningbo Zhongke Catalyst for Proton Exchange Membrane Fuel Cell Corporation Information

7.13.2 Ningbo Zhongke Catalyst for Proton Exchange Membrane Fuel Cell Product Portfolio

7.13.3 Ningbo Zhongke Catalyst for Proton Exchange Membrane Fuel Cell Production, Value, Price and Gross Margin (2018-2023)

7.13.4 Ningbo Zhongke Main Business and Markets Served

7.13.5 Ningbo Zhongke Recent Developments/Updates

## 7.14 SuZhou Hydrogine Power Technology Co

7.14.1 SuZhou Hydrogine Power Technology Co Catalyst for Proton Exchange Membrane Fuel Cell Corporation Information

7.14.2 SuZhou Hydrogine Power Technology Co Catalyst for Proton Exchange Membrane Fuel Cell Product Portfolio

7.14.3 SuZhou Hydrogine Power Technology Co Catalyst for Proton Exchange Membrane Fuel Cell Production, Value, Price and Gross Margin (2018-2023)

7.14.4 SuZhou Hydrogine Power Technology Co Main Business and Markets Served

7.14.5 SuZhou Hydrogine Power Technology Co Recent Developments/Updates

## **8 INDUSTRY CHAIN AND SALES CHANNELS ANALYSIS**

8.1 Catalyst for Proton Exchange Membrane Fuel Cell Industry Chain Analysis

8.2 Catalyst for Proton Exchange Membrane Fuel Cell Key Raw Materials

8.2.1 Key Raw Materials

8.2.2 Raw Materials Key Suppliers

8.3 Catalyst for Proton Exchange Membrane Fuel Cell Production Mode & Process

8.4 Catalyst for Proton Exchange Membrane Fuel Cell Sales and Marketing

8.4.1 Catalyst for Proton Exchange Membrane Fuel Cell Sales Channels

8.4.2 Catalyst for Proton Exchange Membrane Fuel Cell Distributors

8.5 Catalyst for Proton Exchange Membrane Fuel Cell Customers

## **9 CATALYST FOR PROTON EXCHANGE MEMBRANE FUEL CELL MARKET DYNAMICS**

- 9.1 Catalyst for Proton Exchange Membrane Fuel Cell Industry Trends
- 9.2 Catalyst for Proton Exchange Membrane Fuel Cell Market Drivers
- 9.3 Catalyst for Proton Exchange Membrane Fuel Cell Market Challenges
- 9.4 Catalyst for Proton Exchange Membrane Fuel Cell Market Restraints

## **10 RESEARCH FINDING AND CONCLUSION**

## **11 METHODOLOGY AND DATA SOURCE**

- 11.1 Methodology/Research Approach
  - 11.1.1 Research Programs/Design
  - 11.1.2 Market Size Estimation
  - 11.1.3 Market Breakdown and Data Triangulation
- 11.2 Data Source
  - 11.2.1 Secondary Sources
  - 11.2.2 Primary Sources
- 11.3 Author List
- 11.4 Disclaimer

## List Of Tables

### LIST OF TABLES

Table 1. Global Catalyst for Proton Exchange Membrane Fuel Cell Market Value by Type, (US\$ Million) & (2022 VS 2029)

Table 2. Global Catalyst for Proton Exchange Membrane Fuel Cell Market Value by Application, (US\$ Million) & (2022 VS 2029)

Table 3. Global Catalyst for Proton Exchange Membrane Fuel Cell Production Capacity (Kg) by Manufacturers in 2022

Table 4. Global Catalyst for Proton Exchange Membrane Fuel Cell Production by Manufacturers (2018-2023) & (Kg)

Table 5. Global Catalyst for Proton Exchange Membrane Fuel Cell Production Market Share by Manufacturers (2018-2023)

Table 6. Global Catalyst for Proton Exchange Membrane Fuel Cell Production Value by Manufacturers (2018-2023) & (US\$ Million)

Table 7. Global Catalyst for Proton Exchange Membrane Fuel Cell Production Value Share by Manufacturers (2018-2023)

Table 8. Global Catalyst for Proton Exchange Membrane Fuel Cell Industry Ranking 2021 VS 2022 VS 2023

Table 9. Company Type (Tier 1, Tier 2 and Tier 3) & (based on the Revenue in Catalyst for Proton Exchange Membrane Fuel Cell as of 2022)

Table 10. Global Market Catalyst for Proton Exchange Membrane Fuel Cell Average Price by Manufacturers (US\$/Kg) & (2018-2023)

Table 11. Manufacturers Catalyst for Proton Exchange Membrane Fuel Cell Production Sites and Area Served

Table 12. Manufacturers Catalyst for Proton Exchange Membrane Fuel Cell Product Types

Table 13. Global Catalyst for Proton Exchange Membrane Fuel Cell Manufacturers Market Concentration Ratio (CR5 and HHI)

Table 14. Mergers & Acquisitions, Expansion

Table 15. Global Catalyst for Proton Exchange Membrane Fuel Cell Production Value by Region: 2018 VS 2022 VS 2029 (US\$ Million)

Table 16. Global Catalyst for Proton Exchange Membrane Fuel Cell Production Value (US\$ Million) by Region (2018-2023)

Table 17. Global Catalyst for Proton Exchange Membrane Fuel Cell Production Value Market Share by Region (2018-2023)

Table 18. Global Catalyst for Proton Exchange Membrane Fuel Cell Production Value (US\$ Million) Forecast by Region (2024-2029)

Table 19. Global Catalyst for Proton Exchange Membrane Fuel Cell Production Value Market Share Forecast by Region (2024-2029)

Table 20. Global Catalyst for Proton Exchange Membrane Fuel Cell Production Comparison by Region: 2018 VS 2022 VS 2029 (Kg)

Table 21. Global Catalyst for Proton Exchange Membrane Fuel Cell Production (Kg) by Region (2018-2023)

Table 22. Global Catalyst for Proton Exchange Membrane Fuel Cell Production Market Share by Region (2018-2023)

Table 23. Global Catalyst for Proton Exchange Membrane Fuel Cell Production (Kg) Forecast by Region (2024-2029)

Table 24. Global Catalyst for Proton Exchange Membrane Fuel Cell Production Market Share Forecast by Region (2024-2029)

Table 25. Global Catalyst for Proton Exchange Membrane Fuel Cell Market Average Price (US\$/Kg) by Region (2018-2023)

Table 26. Global Catalyst for Proton Exchange Membrane Fuel Cell Market Average Price (US\$/Kg) by Region (2024-2029)

Table 27. Global Catalyst for Proton Exchange Membrane Fuel Cell Consumption Growth Rate by Region: 2018 VS 2022 VS 2029 (Kg)

Table 28. Global Catalyst for Proton Exchange Membrane Fuel Cell Consumption by Region (2018-2023) & (Kg)

Table 29. Global Catalyst for Proton Exchange Membrane Fuel Cell Consumption Market Share by Region (2018-2023)

Table 30. Global Catalyst for Proton Exchange Membrane Fuel Cell Forecasted Consumption by Region (2024-2029) & (Kg)

Table 31. Global Catalyst for Proton Exchange Membrane Fuel Cell Forecasted Consumption Market Share by Region (2018-2023)

Table 32. North America Catalyst for Proton Exchange Membrane Fuel Cell Consumption Growth Rate by Country: 2018 VS 2022 VS 2029 (Kg)

Table 33. North America Catalyst for Proton Exchange Membrane Fuel Cell Consumption by Country (2018-2023) & (Kg)

Table 34. North America Catalyst for Proton Exchange Membrane Fuel Cell Consumption by Country (2024-2029) & (Kg)

Table 35. Europe Catalyst for Proton Exchange Membrane Fuel Cell Consumption Growth Rate by Country: 2018 VS 2022 VS 2029 (Kg)

Table 36. Europe Catalyst for Proton Exchange Membrane Fuel Cell Consumption by Country (2018-2023) & (Kg)

Table 37. Europe Catalyst for Proton Exchange Membrane Fuel Cell Consumption by Country (2024-2029) & (Kg)

Table 38. Asia Pacific Catalyst for Proton Exchange Membrane Fuel Cell Consumption



Growth Rate by Region: 2018 VS 2022 VS 2029 (Kg)

Table 39. Asia Pacific Catalyst for Proton Exchange Membrane Fuel Cell Consumption by Region (2018-2023) & (Kg)

Table 40. Asia Pacific Catalyst for Proton Exchange Membrane Fuel Cell Consumption by Region (2024-2029) & (Kg)

Table 41. Latin America, Middle East & Africa Catalyst for Proton Exchange Membrane Fuel Cell Consumption Growth Rate by Country: 2018 VS 2022 VS 2029 (Kg)

Table 42. Latin America, Middle East & Africa Catalyst for Proton Exchange Membrane Fuel Cell Consumption by Country (2018-2023) & (Kg)

Table 43. Latin America, Middle East & Africa Catalyst for Proton Exchange Membrane Fuel Cell Consumption by Country (2024-2029) & (Kg)

Table 44. Global Catalyst for Proton Exchange Membrane Fuel Cell Production (Kg) by Type (2018-2023)

Table 45. Global Catalyst for Proton Exchange Membrane Fuel Cell Production (Kg) by Type (2024-2029)

Table 46. Global Catalyst for Proton Exchange Membrane Fuel Cell Production Market Share by Type (2018-2023)

Table 47. Global Catalyst for Proton Exchange Membrane Fuel Cell Production Market Share by Type (2024-2029)

Table 48. Global Catalyst for Proton Exchange Membrane Fuel Cell Production Value (US\$ Million) by Type (2018-2023)

Table 49. Global Catalyst for Proton Exchange Membrane Fuel Cell Production Value (US\$ Million) by Type (2024-2029)

Table 50. Global Catalyst for Proton Exchange Membrane Fuel Cell Production Value Share by Type (2018-2023)

Table 51. Global Catalyst for Proton Exchange Membrane Fuel Cell Production Value Share by Type (2024-2029)

Table 52. Global Catalyst for Proton Exchange Membrane Fuel Cell Price (US\$/Kg) by Type (2018-2023)

Table 53. Global Catalyst for Proton Exchange Membrane Fuel Cell Price (US\$/Kg) by Type (2024-2029)

Table 54. Global Catalyst for Proton Exchange Membrane Fuel Cell Production (Kg) by Application (2018-2023)

Table 55. Global Catalyst for Proton Exchange Membrane Fuel Cell Production (Kg) by Application (2024-2029)

Table 56. Global Catalyst for Proton Exchange Membrane Fuel Cell Production Market Share by Application (2018-2023)

Table 57. Global Catalyst for Proton Exchange Membrane Fuel Cell Production Market Share by Application (2024-2029)

Table 58. Global Catalyst for Proton Exchange Membrane Fuel Cell Production Value (US\$ Million) by Application (2018-2023)

Table 59. Global Catalyst for Proton Exchange Membrane Fuel Cell Production Value (US\$ Million) by Application (2024-2029)

Table 60. Global Catalyst for Proton Exchange Membrane Fuel Cell Production Value Share by Application (2018-2023)

Table 61. Global Catalyst for Proton Exchange Membrane Fuel Cell Production Value Share by Application (2024-2029)

Table 62. Global Catalyst for Proton Exchange Membrane Fuel Cell Price (US\$/Kg) by Application (2018-2023)

Table 63. Global Catalyst for Proton Exchange Membrane Fuel Cell Price (US\$/Kg) by Application (2024-2029)

Table 64. Cataler Corporation Catalyst for Proton Exchange Membrane Fuel Cell Corporation Information

Table 65. Cataler Corporation Specification and Application

Table 66. Cataler Corporation Catalyst for Proton Exchange Membrane Fuel Cell Production (Kg), Value (US\$ Million), Price (US\$/Kg) and Gross Margin (2018-2023)

Table 67. Cataler Corporation Main Business and Markets Served

Table 68. Cataler Corporation Recent Developments/Updates

Table 69. Umicore Catalyst for Proton Exchange Membrane Fuel Cell Corporation Information

Table 70. Umicore Specification and Application

Table 71. Umicore Catalyst for Proton Exchange Membrane Fuel Cell Production (Kg), Value (US\$ Million), Price (US\$/Kg) and Gross Margin (2018-2023)

Table 72. Umicore Main Business and Markets Served

Table 73. Umicore Recent Developments/Updates

Table 74. Johnson Matthey Catalyst for Proton Exchange Membrane Fuel Cell Corporation Information

Table 75. Johnson Matthey Specification and Application

Table 76. Johnson Matthey Catalyst for Proton Exchange Membrane Fuel Cell Production (Kg), Value (US\$ Million), Price (US\$/Kg) and Gross Margin (2018-2023)

Table 77. Johnson Matthey Main Business and Markets Served

Table 78. Johnson Matthey Recent Developments/Updates

Table 79. Tanaka Catalyst for Proton Exchange Membrane Fuel Cell Corporation Information

Table 80. Tanaka Specification and Application

Table 81. Tanaka Catalyst for Proton Exchange Membrane Fuel Cell Production (Kg), Value (US\$ Million), Price (US\$/Kg) and Gross Margin (2018-2023)

Table 82. Tanaka Main Business and Markets Served

Table 83. Tanaka Recent Developments/Updates

Table 84. Heraeus Catalyst for Proton Exchange Membrane Fuel Cell Corporation Information

Table 85. Heraeus Specification and Application

Table 86. Heraeus Catalyst for Proton Exchange Membrane Fuel Cell Production (Kg), Value (US\$ Million), Price (US\$/Kg) and Gross Margin (2018-2023)

Table 87. Heraeus Main Business and Markets Served

Table 88. Heraeus Recent Developments/Updates

Table 89. ENY-Mobility Catalyst for Proton Exchange Membrane Fuel Cell Corporation Information

Table 90. ENY-Mobility Specification and Application

Table 91. ENY-Mobility Catalyst for Proton Exchange Membrane Fuel Cell Production (Kg), Value (US\$ Million), Price (US\$/Kg) and Gross Margin (2018-2023)

Table 92. ENY-Mobility Main Business and Markets Served

Table 93. ENY-Mobility Recent Developments/Updates

Table 94. Ames Goldsmith Catalyst for Proton Exchange Membrane Fuel Cell Corporation Information

Table 95. Ames Goldsmith Specification and Application

Table 96. Ames Goldsmith Catalyst for Proton Exchange Membrane Fuel Cell Production (Kg), Value (US\$ Million), Price (US\$/Kg) and Gross Margin (2018-2023)

Table 97. Ames Goldsmith Main Business and Markets Served

Table 98. Ames Goldsmith Recent Developments/Updates

Table 99. Nisshinbo Catalyst for Proton Exchange Membrane Fuel Cell Corporation Information

Table 100. Nisshinbo Specification and Application

Table 101. Nisshinbo Catalyst for Proton Exchange Membrane Fuel Cell Production (Kg), Value (US\$ Million), Price (US\$/Kg) and Gross Margin (2018-2023)

Table 102. Nisshinbo Main Business and Markets Served

Table 103. Nisshinbo Recent Developments/Updates

Table 104. VINATech Catalyst for Proton Exchange Membrane Fuel Cell Corporation Information

Table 105. VINATech Specification and Application

Table 106. VINATech Catalyst for Proton Exchange Membrane Fuel Cell Production (Kg), Value (US\$ Million), Price (US\$/Kg) and Gross Margin (2018-2023)

Table 107. VINATech Main Business and Markets Served

Table 108. VINATech Recent Developments/Updates

Table 109. Clariant Catalyst for Proton Exchange Membrane Fuel Cell Corporation Information

Table 110. Clariant Specification and Application

Table 111. Clariant Catalyst for Proton Exchange Membrane Fuel Cell Production (Kg), Value (US\$ Million), Price (US\$/Kg) and Gross Margin (2018-2023)

Table 112. Clariant Main Business and Markets Served

Table 113. Clariant Recent Developments/Updates

Table 114. BASF Catalyst for Proton Exchange Membrane Fuel Cell Corporation Information

Table 115. BASF Specification and Application

Table 116. BASF Catalyst for Proton Exchange Membrane Fuel Cell Production (Kg), Value (US\$ Million), Price (US\$/Kg) and Gross Margin (2018-2023)

Table 117. BASF Main Business and Markets Served

Table 118. BASF Recent Developments/Updates

Table 119. Jiangsu Yanchang Sunlaite New Energy Co Catalyst for Proton Exchange Membrane Fuel Cell Corporation Information

Table 120. Jiangsu Yanchang Sunlaite New Energy Co Specification and Application

Table 121. Jiangsu Yanchang Sunlaite New Energy Co Catalyst for Proton Exchange Membrane Fuel Cell Production (Kg), Value (US\$ Million), Price (US\$/Kg) and Gross Margin (2018-2023)

Table 122. Jiangsu Yanchang Sunlaite New Energy Co Main Business and Markets Served

Table 123. Jiangsu Yanchang Sunlaite New Energy Co Recent Developments/Updates

Table 124. Ningbo Zhongke Catalyst for Proton Exchange Membrane Fuel Cell Corporation Information

Table 125. Ningbo Zhongke Specification and Application

Table 126. Ningbo Zhongke Catalyst for Proton Exchange Membrane Fuel Cell Production (Kg), Value (US\$ Million), Price (US\$/Kg) and Gross Margin (2018-2023)

Table 127. Ningbo Zhongke Main Business and Markets Served

Table 128. Ningbo Zhongke Recent Developments/Updates

Table 129. SuZhou Hydrogine Power Technology Co Catalyst for Proton Exchange Membrane Fuel Cell Corporation Information

Table 130. SuZhou Hydrogine Power Technology Co Specification and Application

Table 131. SuZhou Hydrogine Power Technology Co Catalyst for Proton Exchange Membrane Fuel Cell Production (Kg), Value (US\$ Million), Price (US\$/Kg) and Gross Margin (2018-2023)

Table 132. SuZhou Hydrogine Power Technology Co Main Business and Markets Served

Table 133. SuZhou Hydrogine Power Technology Co Recent Developments/Updates

Table 134. Key Raw Materials Lists

Table 135. Raw Materials Key Suppliers Lists

Table 136. Catalyst for Proton Exchange Membrane Fuel Cell Distributors List

- Table 137. Catalyst for Proton Exchange Membrane Fuel Cell Customers List
- Table 138. Catalyst for Proton Exchange Membrane Fuel Cell Market Trends
- Table 139. Catalyst for Proton Exchange Membrane Fuel Cell Market Drivers
- Table 140. Catalyst for Proton Exchange Membrane Fuel Cell Market Challenges
- Table 141. Catalyst for Proton Exchange Membrane Fuel Cell Market Restraints
- Table 142. Research Programs/Design for This Report
- Table 143. Key Data Information from Secondary Sources
- Table 144. Key Data Information from Primary Sources

## List Of Figures

### LIST OF FIGURES

- Figure 1. Product Picture of Catalyst for Proton Exchange Membrane Fuel Cell
- Figure 2. Global Catalyst for Proton Exchange Membrane Fuel Cell Market Value by Type, (US\$ Million) & (2022 VS 2029)
- Figure 3. Global Catalyst for Proton Exchange Membrane Fuel Cell Market Share by Type: 2022 VS 2029
- Figure 4. Platinum Metal Catalyst Product Picture
- Figure 5. Nitrogen Catalyst Product Picture
- Figure 6. Carbon Catalyst Product Picture
- Figure 7. Other Product Picture
- Figure 8. Global Catalyst for Proton Exchange Membrane Fuel Cell Market Value by Application, (US\$ Million) & (2022 VS 2029)
- Figure 9. Global Catalyst for Proton Exchange Membrane Fuel Cell Market Share by Application: 2022 VS 2029
- Figure 10. 3C Battery
- Figure 11. Power Battery
- Figure 12. Energy Storage Battery
- Figure 13. Global Catalyst for Proton Exchange Membrane Fuel Cell Production Value (US\$ Million), 2018 VS 2022 VS 2029
- Figure 14. Global Catalyst for Proton Exchange Membrane Fuel Cell Production Value (US\$ Million) & (2018-2029)
- Figure 15. Global Catalyst for Proton Exchange Membrane Fuel Cell Production Capacity (Kg) & (2018-2029)
- Figure 16. Global Catalyst for Proton Exchange Membrane Fuel Cell Production (Kg) & (2018-2029)
- Figure 17. Global Catalyst for Proton Exchange Membrane Fuel Cell Average Price (US\$/Kg) & (2018-2029)
- Figure 18. Catalyst for Proton Exchange Membrane Fuel Cell Report Years Considered
- Figure 19. Catalyst for Proton Exchange Membrane Fuel Cell Production Share by Manufacturers in 2022
- Figure 20. Catalyst for Proton Exchange Membrane Fuel Cell Market Share by Company Type (Tier 1, Tier 2, and Tier 3): 2018 VS 2022
- Figure 21. The Global 5 and 10 Largest Players: Market Share by Catalyst for Proton Exchange Membrane Fuel Cell Revenue in 2022
- Figure 22. Global Catalyst for Proton Exchange Membrane Fuel Cell Production Value by Region: 2018 VS 2022 VS 2029 (US\$ Million)

Figure 23. Global Catalyst for Proton Exchange Membrane Fuel Cell Production Value Market Share by Region: 2018 VS 2022 VS 2029

Figure 24. Global Catalyst for Proton Exchange Membrane Fuel Cell Production Comparison by Region: 2018 VS 2022 VS 2029 (Kg)

Figure 25. Global Catalyst for Proton Exchange Membrane Fuel Cell Production Market Share by Region: 2018 VS 2022 VS 2029

Figure 26. North America Catalyst for Proton Exchange Membrane Fuel Cell Production Value (US\$ Million) Growth Rate (2018-2029)

Figure 27. Europe Catalyst for Proton Exchange Membrane Fuel Cell Production Value (US\$ Million) Growth Rate (2018-2029)

Figure 28. China Catalyst for Proton Exchange Membrane Fuel Cell Production Value (US\$ Million) Growth Rate (2018-2029)

Figure 29. Japan Catalyst for Proton Exchange Membrane Fuel Cell Production Value (US\$ Million) Growth Rate (2018-2029)

Figure 30. Global Catalyst for Proton Exchange Membrane Fuel Cell Consumption by Region: 2018 VS 2022 VS 2029 (Kg)

Figure 31. Global Catalyst for Proton Exchange Membrane Fuel Cell Consumption Market Share by Region: 2018 VS 2022 VS 2029

Figure 32. North America Catalyst for Proton Exchange Membrane Fuel Cell Consumption and Growth Rate (2018-2023) & (Kg)

Figure 33. North America Catalyst for Proton Exchange Membrane Fuel Cell Consumption Market Share by Country (2018-2029)

Figure 34. Canada Catalyst for Proton Exchange Membrane Fuel Cell Consumption and Growth Rate (2018-2023) & (Kg)

Figure 35. U.S. Catalyst for Proton Exchange Membrane Fuel Cell Consumption and Growth Rate (2018-2023) & (Kg)

Figure 36. Europe Catalyst for Proton Exchange Membrane Fuel Cell Consumption and Growth Rate (2018-2023) & (Kg)

Figure 37. Europe Catalyst for Proton Exchange Membrane Fuel Cell Consumption Market Share by Country (2018-2029)

Figure 38. Germany Catalyst for Proton Exchange Membrane Fuel Cell Consumption and Growth Rate (2018-2023) & (Kg)

Figure 39. France Catalyst for Proton Exchange Membrane Fuel Cell Consumption and Growth Rate (2018-2023) & (Kg)

Figure 40. U.K. Catalyst for Proton Exchange Membrane Fuel Cell Consumption and Growth Rate (2018-2023) & (Kg)

Figure 41. Italy Catalyst for Proton Exchange Membrane Fuel Cell Consumption and Growth Rate (2018-2023) & (Kg)

Figure 42. Russia Catalyst for Proton Exchange Membrane Fuel Cell Consumption and

Growth Rate (2018-2023) & (Kg)

Figure 43. Asia Pacific Catalyst for Proton Exchange Membrane Fuel Cell Consumption and Growth Rate (2018-2023) & (Kg)

Figure 44. Asia Pacific Catalyst for Proton Exchange Membrane Fuel Cell Consumption Market Share by Regions (2018-2029)

Figure 45. China Catalyst for Proton Exchange Membrane Fuel Cell Consumption and Growth Rate (2018-2023) & (Kg)

Figure 46. Japan Catalyst for Proton Exchange Membrane Fuel Cell Consumption and Growth Rate (2018-2023) & (Kg)

Figure 47. South Korea Catalyst for Proton Exchange Membrane Fuel Cell Consumption and Growth Rate (2018-2023) & (Kg)

Figure 48. China Taiwan Catalyst for Proton Exchange Membrane Fuel Cell Consumption and Growth Rate (2018-2023) & (Kg)

Figure 49. Southeast Asia Catalyst for Proton Exchange Membrane Fuel Cell Consumption and Growth Rate (2018-2023) & (Kg)

Figure 50. India Catalyst for Proton Exchange Membrane Fuel Cell Consumption and Growth Rate (2018-2023) & (Kg)

Figure 51. Latin America, Middle East & Africa Catalyst for Proton Exchange Membrane Fuel Cell Consumption and Growth Rate (2018-2023) & (Kg)

Figure 52. Latin America, Middle East & Africa Catalyst for Proton Exchange Membrane Fuel Cell Consumption Market Share by Country (2018-2029)

Figure 53. Mexico Catalyst for Proton Exchange Membrane Fuel Cell Consumption and Growth Rate (2018-2023) & (Kg)

Figure 54. Brazil Catalyst for Proton Exchange Membrane Fuel Cell Consumption and Growth Rate (2018-2023) & (Kg)

Figure 55. Turkey Catalyst for Proton Exchange Membrane Fuel Cell Consumption and Growth Rate (2018-2023) & (Kg)

Figure 56. GCC Countries Catalyst for Proton Exchange Membrane Fuel Cell Consumption and Growth Rate (2018-2023) & (Kg)

Figure 57. Global Production Market Share of Catalyst for Proton Exchange Membrane Fuel Cell by Type (2018-2029)

Figure 58. Global Production Value Market Share of Catalyst for Proton Exchange Membrane Fuel Cell by Type (2018-2029)

Figure 59. Global Catalyst for Proton Exchange Membrane Fuel Cell Price (US\$/Kg) by Type (2018-2029)

Figure 60. Global Production Market Share of Catalyst for Proton Exchange Membrane Fuel Cell by Application (2018-2029)

Figure 61. Global Production Value Market Share of Catalyst for Proton Exchange Membrane Fuel Cell by Application (2018-2029)



Figure 62. Global Catalyst for Proton Exchange Membrane Fuel Cell Price (US\$/Kg) by Application (2018-2029)

Figure 63. Catalyst for Proton Exchange Membrane Fuel Cell Value Chain

Figure 64. Catalyst for Proton Exchange Membrane Fuel Cell Production Process

Figure 65. Channels of Distribution (Direct Vs Distribution)

Figure 66. Distributors Profiles

Figure 67. Bottom-up and Top-down Approaches for This Report

Figure 68. Data Triangulation

## I would like to order

Product name: Global Catalyst for Proton Exchange Membrane Fuel Cell Market Research Report 2023

Product link: <https://marketpublishers.com/r/GCCE7579B959EN.html>

Price: US\$ 2,900.00 (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/GCCE7579B959EN.html>

To pay by Wire Transfer, please, fill in your contact details in the form below:

First name:  
Last name:  
Email:  
Company:  
Address:  
City:  
Zip code:  
Country:  
Tel:  
Fax:  
Your message:

**\*\*All fields are required**

Customer signature \_\_\_\_\_

Please, note that by ordering from marketpublishers.com you are agreeing to our Terms & Conditions at <https://marketpublishers.com/docs/terms.html>

To place an order via fax simply print this form, fill in the information below and fax the completed form to +44 20 7900 3970