

Global Solid Polymer Electrolyte Fuel Cell Supply, Demand and Key Producers, 2023-2029

<https://marketpublishers.com/r/GF41B1B52E7FEN.html>

Date: March 2023

Pages: 110

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

ID: GF41B1B52E7FEN

Abstracts

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

Solid Polymer Electrolyte Fuel Cell handles a solid proton-conducting sheath as electrolyte and the electrode resources are ordinarily made of carbon coated with platinum catalyst.

This report studies the global Solid Polymer Electrolyte Fuel Cell production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for Solid Polymer Electrolyte Fuel Cell, 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 Solid Polymer Electrolyte Fuel Cell that contribute to its increasing demand across many markets.

Highlights and key features of the study

Global Solid Polymer Electrolyte Fuel Cell total production and demand, 2018-2029, (Units)

Global Solid Polymer Electrolyte Fuel Cell total production value, 2018-2029, (USD Million)

Global Solid Polymer Electrolyte Fuel Cell production by region & country, production, value, CAGR, 2018-2029, (USD Million) & (Units)

Global Solid Polymer Electrolyte Fuel Cell consumption by region & country, CAGR, 2018-2029 & (Units)

U.S. VS China: Solid Polymer Electrolyte Fuel Cell domestic production, consumption, key domestic manufacturers and share

Global Solid Polymer Electrolyte Fuel Cell production by manufacturer, production, price, value and market share 2018-2023, (USD Million) & (Units)

Global Solid Polymer Electrolyte Fuel Cell production by Type, production, value, CAGR, 2018-2029, (USD Million) & (Units)

Global Solid Polymer Electrolyte Fuel Cell production by Application production, value, CAGR, 2018-2029, (USD Million) & (Units)

This reports profiles key players in the global Solid Polymer Electrolyte Fuel Cell 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 BASF, Umicore, Hyundai, Ballard, Mitsubishi Heavy Industries, Robert Bosch, Toshiba, Bloom Energy and Ceres Power, 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 Solid Polymer Electrolyte Fuel Cell market

Detailed Segmentation:

Each section contains quantitative market data including market by value (US\$ Millions), volume (production, consumption) & (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 Solid Polymer Electrolyte Fuel Cell Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

Global Solid Polymer Electrolyte Fuel Cell Market, Segmentation by Type

Low-Temperature Fuel Cell (750?)

Medium-Temperature Fuel Cell (200-750 ?)

Global Solid Polymer Electrolyte Fuel Cell Market, Segmentation by Application

Automotive

Stationary Power

Portable Cell

Others

Companies Profiled:

BASF

Umicore

Hyundai

Ballard

Mitsubishi Heavy Industries

Robert Bosch

Toshiba

Bloom Energy

Ceres Power

Plug Power

Doosan

Intelligent Energy

PowerCell

GenCell

Key Questions Answered

1. How big is the global Solid Polymer Electrolyte Fuel Cell market?
2. What is the demand of the global Solid Polymer Electrolyte Fuel Cell market?
3. What is the year over year growth of the global Solid Polymer Electrolyte Fuel Cell market?
4. What is the production and production value of the global Solid Polymer Electrolyte Fuel Cell market?

5. Who are the key producers in the global Solid Polymer Electrolyte Fuel Cell market?
6. What are the growth factors driving the market demand?

Contents

1 SUPPLY SUMMARY

- 1.1 Solid Polymer Electrolyte Fuel Cell Introduction
- 1.2 World Solid Polymer Electrolyte Fuel Cell Supply & Forecast
 - 1.2.1 World Solid Polymer Electrolyte Fuel Cell Production Value (2018 & 2022 & 2029)
 - 1.2.2 World Solid Polymer Electrolyte Fuel Cell Production (2018-2029)
 - 1.2.3 World Solid Polymer Electrolyte Fuel Cell Pricing Trends (2018-2029)
- 1.3 World Solid Polymer Electrolyte Fuel Cell Production by Region (Based on Production Site)
 - 1.3.1 World Solid Polymer Electrolyte Fuel Cell Production Value by Region (2018-2029)
 - 1.3.2 World Solid Polymer Electrolyte Fuel Cell Production by Region (2018-2029)
 - 1.3.3 World Solid Polymer Electrolyte Fuel Cell Average Price by Region (2018-2029)
 - 1.3.4 North America Solid Polymer Electrolyte Fuel Cell Production (2018-2029)
 - 1.3.5 Europe Solid Polymer Electrolyte Fuel Cell Production (2018-2029)
 - 1.3.6 China Solid Polymer Electrolyte Fuel Cell Production (2018-2029)
 - 1.3.7 Japan Solid Polymer Electrolyte Fuel Cell Production (2018-2029)
- 1.4 Market Drivers, Restraints and Trends
 - 1.4.1 Solid Polymer Electrolyte Fuel Cell Market Drivers
 - 1.4.2 Factors Affecting Demand
 - 1.4.3 Solid Polymer Electrolyte Fuel Cell 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 Solid Polymer Electrolyte Fuel Cell Demand (2018-2029)
- 2.2 World Solid Polymer Electrolyte Fuel Cell Consumption by Region
 - 2.2.1 World Solid Polymer Electrolyte Fuel Cell Consumption by Region (2018-2023)
 - 2.2.2 World Solid Polymer Electrolyte Fuel Cell Consumption Forecast by Region (2024-2029)
- 2.3 United States Solid Polymer Electrolyte Fuel Cell Consumption (2018-2029)
- 2.4 China Solid Polymer Electrolyte Fuel Cell Consumption (2018-2029)
- 2.5 Europe Solid Polymer Electrolyte Fuel Cell Consumption (2018-2029)
- 2.6 Japan Solid Polymer Electrolyte Fuel Cell Consumption (2018-2029)

2.7 South Korea Solid Polymer Electrolyte Fuel Cell Consumption (2018-2029)

2.8 ASEAN Solid Polymer Electrolyte Fuel Cell Consumption (2018-2029)

2.9 India Solid Polymer Electrolyte Fuel Cell Consumption (2018-2029)

3 WORLD SOLID POLYMER ELECTROLYTE FUEL CELL MANUFACTURERS COMPETITIVE ANALYSIS

3.1 World Solid Polymer Electrolyte Fuel Cell Production Value by Manufacturer
(2018-2023)

3.2 World Solid Polymer Electrolyte Fuel Cell Production by Manufacturer (2018-2023)

3.3 World Solid Polymer Electrolyte Fuel Cell Average Price by Manufacturer
(2018-2023)

3.4 Solid Polymer Electrolyte Fuel Cell Company Evaluation Quadrant

3.5 Industry Rank and Concentration Rate (CR)

3.5.1 Global Solid Polymer Electrolyte Fuel Cell Industry Rank of Major Manufacturers

3.5.2 Global Concentration Ratios (CR4) for Solid Polymer Electrolyte Fuel Cell in
2022

3.5.3 Global Concentration Ratios (CR8) for Solid Polymer Electrolyte Fuel Cell in
2022

3.6 Solid Polymer Electrolyte Fuel Cell Market: Overall Company Footprint Analysis

3.6.1 Solid Polymer Electrolyte Fuel Cell Market: Region Footprint

3.6.2 Solid Polymer Electrolyte Fuel Cell Market: Company Product Type Footprint

3.6.3 Solid Polymer Electrolyte Fuel Cell 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: Solid Polymer Electrolyte Fuel Cell Production Value
Comparison

4.1.1 United States VS China: Solid Polymer Electrolyte Fuel Cell Production Value
Comparison (2018 & 2022 & 2029)

4.1.2 United States VS China: Solid Polymer Electrolyte Fuel Cell Production Value
Market Share Comparison (2018 & 2022 & 2029)

4.2 United States VS China: Solid Polymer Electrolyte Fuel Cell Production Comparison

4.2.1 United States VS China: Solid Polymer Electrolyte Fuel Cell Production Comparison (2018 & 2022 & 2029)

4.2.2 United States VS China: Solid Polymer Electrolyte Fuel Cell Production Market Share Comparison (2018 & 2022 & 2029)

4.3 United States VS China: Solid Polymer Electrolyte Fuel Cell Consumption Comparison

4.3.1 United States VS China: Solid Polymer Electrolyte Fuel Cell Consumption Comparison (2018 & 2022 & 2029)

4.3.2 United States VS China: Solid Polymer Electrolyte Fuel Cell Consumption Market Share Comparison (2018 & 2022 & 2029)

4.4 United States Based Solid Polymer Electrolyte Fuel Cell Manufacturers and Market Share, 2018-2023

4.4.1 United States Based Solid Polymer Electrolyte Fuel Cell Manufacturers, Headquarters and Production Site (States, Country)

4.4.2 United States Based Manufacturers Solid Polymer Electrolyte Fuel Cell Production Value (2018-2023)

4.4.3 United States Based Manufacturers Solid Polymer Electrolyte Fuel Cell Production (2018-2023)

4.5 China Based Solid Polymer Electrolyte Fuel Cell Manufacturers and Market Share

4.5.1 China Based Solid Polymer Electrolyte Fuel Cell Manufacturers, Headquarters and Production Site (Province, Country)

4.5.2 China Based Manufacturers Solid Polymer Electrolyte Fuel Cell Production Value (2018-2023)

4.5.3 China Based Manufacturers Solid Polymer Electrolyte Fuel Cell Production (2018-2023)

4.6 Rest of World Based Solid Polymer Electrolyte Fuel Cell Manufacturers and Market Share, 2018-2023

4.6.1 Rest of World Based Solid Polymer Electrolyte Fuel Cell Manufacturers, Headquarters and Production Site (State, Country)

4.6.2 Rest of World Based Manufacturers Solid Polymer Electrolyte Fuel Cell Production Value (2018-2023)

4.6.3 Rest of World Based Manufacturers Solid Polymer Electrolyte Fuel Cell Production (2018-2023)

5 MARKET ANALYSIS BY TYPE

5.1 World Solid Polymer Electrolyte Fuel Cell Market Size Overview by Type: 2018 VS 2022 VS 2029

5.2 Segment Introduction by Type

5.2.1 Low-Temperature Fuel Cell (750?)

5.2.3 Medium-Temperature Fuel Cell (200-750 ?)

5.3 Market Segment by Type

5.3.1 World Solid Polymer Electrolyte Fuel Cell Production by Type (2018-2029)

5.3.2 World Solid Polymer Electrolyte Fuel Cell Production Value by Type (2018-2029)

5.3.3 World Solid Polymer Electrolyte Fuel Cell Average Price by Type (2018-2029)

6 MARKET ANALYSIS BY APPLICATION

6.1 World Solid Polymer Electrolyte Fuel Cell Market Size Overview by Application: 2018 VS 2022 VS 2029

6.2 Segment Introduction by Application

6.2.1 Automotive

6.2.2 Stationary Power

6.2.3 Portable Cell

6.2.4 Others

6.3 Market Segment by Application

6.3.1 World Solid Polymer Electrolyte Fuel Cell Production by Application (2018-2029)

6.3.2 World Solid Polymer Electrolyte Fuel Cell Production Value by Application (2018-2029)

6.3.3 World Solid Polymer Electrolyte Fuel Cell Average Price by Application (2018-2029)

7 COMPANY PROFILES

7.1 BASF

7.1.1 BASF Details

7.1.2 BASF Major Business

7.1.3 BASF Solid Polymer Electrolyte Fuel Cell Product and Services

7.1.4 BASF Solid Polymer Electrolyte Fuel Cell Production, Price, Value, Gross Margin and Market Share (2018-2023)

7.1.5 BASF Recent Developments/Updates

7.1.6 BASF Competitive Strengths & Weaknesses

7.2 Umicore

7.2.1 Umicore Details

7.2.2 Umicore Major Business

7.2.3 Umicore Solid Polymer Electrolyte Fuel Cell Product and Services

7.2.4 Umicore Solid Polymer Electrolyte Fuel Cell Production, Price, Value, Gross

Margin and Market Share (2018-2023)

7.2.5 Umicore Recent Developments/Updates

7.2.6 Umicore Competitive Strengths & Weaknesses

7.3 Hyundai

7.3.1 Hyundai Details

7.3.2 Hyundai Major Business

7.3.3 Hyundai Solid Polymer Electrolyte Fuel Cell Product and Services

7.3.4 Hyundai Solid Polymer Electrolyte Fuel Cell Production, Price, Value, Gross

Margin and Market Share (2018-2023)

7.3.5 Hyundai Recent Developments/Updates

7.3.6 Hyundai Competitive Strengths & Weaknesses

7.4 Ballard

7.4.1 Ballard Details

7.4.2 Ballard Major Business

7.4.3 Ballard Solid Polymer Electrolyte Fuel Cell Product and Services

7.4.4 Ballard Solid Polymer Electrolyte Fuel Cell Production, Price, Value, Gross

Margin and Market Share (2018-2023)

7.4.5 Ballard Recent Developments/Updates

7.4.6 Ballard Competitive Strengths & Weaknesses

7.5 Mitsubishi Heavy Industries

7.5.1 Mitsubishi Heavy Industries Details

7.5.2 Mitsubishi Heavy Industries Major Business

7.5.3 Mitsubishi Heavy Industries Solid Polymer Electrolyte Fuel Cell Product and Services

7.5.4 Mitsubishi Heavy Industries Solid Polymer Electrolyte Fuel Cell Production, Price, Value, Gross Margin and Market Share (2018-2023)

7.5.5 Mitsubishi Heavy Industries Recent Developments/Updates

7.5.6 Mitsubishi Heavy Industries Competitive Strengths & Weaknesses

7.6 Robert Bosch

7.6.1 Robert Bosch Details

7.6.2 Robert Bosch Major Business

7.6.3 Robert Bosch Solid Polymer Electrolyte Fuel Cell Product and Services

7.6.4 Robert Bosch Solid Polymer Electrolyte Fuel Cell Production, Price, Value, Gross

Margin and Market Share (2018-2023)

7.6.5 Robert Bosch Recent Developments/Updates

7.6.6 Robert Bosch Competitive Strengths & Weaknesses

7.7 Toshiba

7.7.1 Toshiba Details

7.7.2 Toshiba Major Business

- 7.7.3 Toshiba Solid Polymer Electrolyte Fuel Cell Product and Services
- 7.7.4 Toshiba Solid Polymer Electrolyte Fuel Cell Production, Price, Value, Gross Margin and Market Share (2018-2023)
- 7.7.5 Toshiba Recent Developments/Updates
- 7.7.6 Toshiba Competitive Strengths & Weaknesses
- 7.8 Bloom Energy
 - 7.8.1 Bloom Energy Details
 - 7.8.2 Bloom Energy Major Business
 - 7.8.3 Bloom Energy Solid Polymer Electrolyte Fuel Cell Product and Services
 - 7.8.4 Bloom Energy Solid Polymer Electrolyte Fuel Cell Production, Price, Value, Gross Margin and Market Share (2018-2023)
 - 7.8.5 Bloom Energy Recent Developments/Updates
 - 7.8.6 Bloom Energy Competitive Strengths & Weaknesses
- 7.9 Ceres Power
 - 7.9.1 Ceres Power Details
 - 7.9.2 Ceres Power Major Business
 - 7.9.3 Ceres Power Solid Polymer Electrolyte Fuel Cell Product and Services
 - 7.9.4 Ceres Power Solid Polymer Electrolyte Fuel Cell Production, Price, Value, Gross Margin and Market Share (2018-2023)
 - 7.9.5 Ceres Power Recent Developments/Updates
 - 7.9.6 Ceres Power Competitive Strengths & Weaknesses
- 7.10 Plug Power
 - 7.10.1 Plug Power Details
 - 7.10.2 Plug Power Major Business
 - 7.10.3 Plug Power Solid Polymer Electrolyte Fuel Cell Product and Services
 - 7.10.4 Plug Power Solid Polymer Electrolyte Fuel Cell Production, Price, Value, Gross Margin and Market Share (2018-2023)
 - 7.10.5 Plug Power Recent Developments/Updates
 - 7.10.6 Plug Power Competitive Strengths & Weaknesses
- 7.11 Doosan
 - 7.11.1 Doosan Details
 - 7.11.2 Doosan Major Business
 - 7.11.3 Doosan Solid Polymer Electrolyte Fuel Cell Product and Services
 - 7.11.4 Doosan Solid Polymer Electrolyte Fuel Cell Production, Price, Value, Gross Margin and Market Share (2018-2023)
 - 7.11.5 Doosan Recent Developments/Updates
 - 7.11.6 Doosan Competitive Strengths & Weaknesses
- 7.12 Intelligent Energy
 - 7.12.1 Intelligent Energy Details

- 7.12.2 Intelligent Energy Major Business
- 7.12.3 Intelligent Energy Solid Polymer Electrolyte Fuel Cell Product and Services
- 7.12.4 Intelligent Energy Solid Polymer Electrolyte Fuel Cell Production, Price, Value, Gross Margin and Market Share (2018-2023)
- 7.12.5 Intelligent Energy Recent Developments/Updates
- 7.12.6 Intelligent Energy Competitive Strengths & Weaknesses
- 7.13 PowerCell
 - 7.13.1 PowerCell Details
 - 7.13.2 PowerCell Major Business
 - 7.13.3 PowerCell Solid Polymer Electrolyte Fuel Cell Product and Services
 - 7.13.4 PowerCell Solid Polymer Electrolyte Fuel Cell Production, Price, Value, Gross Margin and Market Share (2018-2023)
 - 7.13.5 PowerCell Recent Developments/Updates
 - 7.13.6 PowerCell Competitive Strengths & Weaknesses
- 7.14 GenCell
 - 7.14.1 GenCell Details
 - 7.14.2 GenCell Major Business
 - 7.14.3 GenCell Solid Polymer Electrolyte Fuel Cell Product and Services
 - 7.14.4 GenCell Solid Polymer Electrolyte Fuel Cell Production, Price, Value, Gross Margin and Market Share (2018-2023)
 - 7.14.5 GenCell Recent Developments/Updates
 - 7.14.6 GenCell Competitive Strengths & Weaknesses

8 INDUSTRY CHAIN ANALYSIS

- 8.1 Solid Polymer Electrolyte Fuel Cell Industry Chain
- 8.2 Solid Polymer Electrolyte Fuel Cell Upstream Analysis
 - 8.2.1 Solid Polymer Electrolyte Fuel Cell Core Raw Materials
 - 8.2.2 Main Manufacturers of Solid Polymer Electrolyte Fuel Cell Core Raw Materials
- 8.3 Midstream Analysis
- 8.4 Downstream Analysis
- 8.5 Solid Polymer Electrolyte Fuel Cell Production Mode
- 8.6 Solid Polymer Electrolyte Fuel Cell Procurement Model
- 8.7 Solid Polymer Electrolyte Fuel Cell Industry Sales Model and Sales Channels
 - 8.7.1 Solid Polymer Electrolyte Fuel Cell Sales Model
 - 8.7.2 Solid Polymer Electrolyte Fuel Cell 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 Solid Polymer Electrolyte Fuel Cell Production Value by Region (2018, 2022 and 2029) & (USD Million)

Table 2. World Solid Polymer Electrolyte Fuel Cell Production Value by Region (2018-2023) & (USD Million)

Table 3. World Solid Polymer Electrolyte Fuel Cell Production Value by Region (2024-2029) & (USD Million)

Table 4. World Solid Polymer Electrolyte Fuel Cell Production Value Market Share by Region (2018-2023)

Table 5. World Solid Polymer Electrolyte Fuel Cell Production Value Market Share by Region (2024-2029)

Table 6. World Solid Polymer Electrolyte Fuel Cell Production by Region (2018-2023) & (Units)

Table 7. World Solid Polymer Electrolyte Fuel Cell Production by Region (2024-2029) & (Units)

Table 8. World Solid Polymer Electrolyte Fuel Cell Production Market Share by Region (2018-2023)

Table 9. World Solid Polymer Electrolyte Fuel Cell Production Market Share by Region (2024-2029)

Table 10. World Solid Polymer Electrolyte Fuel Cell Average Price by Region (2018-2023) & (US\$/Unit)

Table 11. World Solid Polymer Electrolyte Fuel Cell Average Price by Region (2024-2029) & (US\$/Unit)

Table 12. Solid Polymer Electrolyte Fuel Cell Major Market Trends

Table 13. World Solid Polymer Electrolyte Fuel Cell Consumption Growth Rate Forecast by Region (2018 & 2022 & 2029) & (Units)

Table 14. World Solid Polymer Electrolyte Fuel Cell Consumption by Region (2018-2023) & (Units)

Table 15. World Solid Polymer Electrolyte Fuel Cell Consumption Forecast by Region (2024-2029) & (Units)

Table 16. World Solid Polymer Electrolyte Fuel Cell Production Value by Manufacturer (2018-2023) & (USD Million)

Table 17. Production Value Market Share of Key Solid Polymer Electrolyte Fuel Cell Producers in 2022

Table 18. World Solid Polymer Electrolyte Fuel Cell Production by Manufacturer (2018-2023) & (Units)

Table 19. Production Market Share of Key Solid Polymer Electrolyte Fuel Cell Producers in 2022

Table 20. World Solid Polymer Electrolyte Fuel Cell Average Price by Manufacturer (2018-2023) & (US\$/Unit)

Table 21. Global Solid Polymer Electrolyte Fuel Cell Company Evaluation Quadrant

Table 22. World Solid Polymer Electrolyte Fuel Cell Industry Rank of Major Manufacturers, Based on Production Value in 2022

Table 23. Head Office and Solid Polymer Electrolyte Fuel Cell Production Site of Key Manufacturer

Table 24. Solid Polymer Electrolyte Fuel Cell Market: Company Product Type Footprint

Table 25. Solid Polymer Electrolyte Fuel Cell Market: Company Product Application Footprint

Table 26. Solid Polymer Electrolyte Fuel Cell Competitive Factors

Table 27. Solid Polymer Electrolyte Fuel Cell New Entrant and Capacity Expansion Plans

Table 28. Solid Polymer Electrolyte Fuel Cell Mergers & Acquisitions Activity

Table 29. United States VS China Solid Polymer Electrolyte Fuel Cell Production Value Comparison, (2018 & 2022 & 2029) & (USD Million)

Table 30. United States VS China Solid Polymer Electrolyte Fuel Cell Production Comparison, (2018 & 2022 & 2029) & (Units)

Table 31. United States VS China Solid Polymer Electrolyte Fuel Cell Consumption Comparison, (2018 & 2022 & 2029) & (Units)

Table 32. United States Based Solid Polymer Electrolyte Fuel Cell Manufacturers, Headquarters and Production Site (States, Country)

Table 33. United States Based Manufacturers Solid Polymer Electrolyte Fuel Cell Production Value, (2018-2023) & (USD Million)

Table 34. United States Based Manufacturers Solid Polymer Electrolyte Fuel Cell Production Value Market Share (2018-2023)

Table 35. United States Based Manufacturers Solid Polymer Electrolyte Fuel Cell Production (2018-2023) & (Units)

Table 36. United States Based Manufacturers Solid Polymer Electrolyte Fuel Cell Production Market Share (2018-2023)

Table 37. China Based Solid Polymer Electrolyte Fuel Cell Manufacturers, Headquarters and Production Site (Province, Country)

Table 38. China Based Manufacturers Solid Polymer Electrolyte Fuel Cell Production Value, (2018-2023) & (USD Million)

Table 39. China Based Manufacturers Solid Polymer Electrolyte Fuel Cell Production Value Market Share (2018-2023)

Table 40. China Based Manufacturers Solid Polymer Electrolyte Fuel Cell Production

(2018-2023) & (Units)

Table 41. China Based Manufacturers Solid Polymer Electrolyte Fuel Cell Production Market Share (2018-2023)

Table 42. Rest of World Based Solid Polymer Electrolyte Fuel Cell Manufacturers, Headquarters and Production Site (States, Country)

Table 43. Rest of World Based Manufacturers Solid Polymer Electrolyte Fuel Cell Production Value, (2018-2023) & (USD Million)

Table 44. Rest of World Based Manufacturers Solid Polymer Electrolyte Fuel Cell Production Value Market Share (2018-2023)

Table 45. Rest of World Based Manufacturers Solid Polymer Electrolyte Fuel Cell Production (2018-2023) & (Units)

Table 46. Rest of World Based Manufacturers Solid Polymer Electrolyte Fuel Cell Production Market Share (2018-2023)

Table 47. World Solid Polymer Electrolyte Fuel Cell Production Value by Type, (USD Million), 2018 & 2022 & 2029

Table 48. World Solid Polymer Electrolyte Fuel Cell Production by Type (2018-2023) & (Units)

Table 49. World Solid Polymer Electrolyte Fuel Cell Production by Type (2024-2029) & (Units)

Table 50. World Solid Polymer Electrolyte Fuel Cell Production Value by Type (2018-2023) & (USD Million)

Table 51. World Solid Polymer Electrolyte Fuel Cell Production Value by Type (2024-2029) & (USD Million)

Table 52. World Solid Polymer Electrolyte Fuel Cell Average Price by Type (2018-2023) & (US\$/Unit)

Table 53. World Solid Polymer Electrolyte Fuel Cell Average Price by Type (2024-2029) & (US\$/Unit)

Table 54. World Solid Polymer Electrolyte Fuel Cell Production Value by Application, (USD Million), 2018 & 2022 & 2029

Table 55. World Solid Polymer Electrolyte Fuel Cell Production by Application (2018-2023) & (Units)

Table 56. World Solid Polymer Electrolyte Fuel Cell Production by Application (2024-2029) & (Units)

Table 57. World Solid Polymer Electrolyte Fuel Cell Production Value by Application (2018-2023) & (USD Million)

Table 58. World Solid Polymer Electrolyte Fuel Cell Production Value by Application (2024-2029) & (USD Million)

Table 59. World Solid Polymer Electrolyte Fuel Cell Average Price by Application (2018-2023) & (US\$/Unit)

Table 60. World Solid Polymer Electrolyte Fuel Cell Average Price by Application (2024-2029) & (US\$/Unit)

Table 61. BASF Basic Information, Manufacturing Base and Competitors

Table 62. BASF Major Business

Table 63. BASF Solid Polymer Electrolyte Fuel Cell Product and Services

Table 64. BASF Solid Polymer Electrolyte Fuel Cell Production (Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2018-2023)

Table 65. BASF Recent Developments/Updates

Table 66. BASF Competitive Strengths & Weaknesses

Table 67. Umicore Basic Information, Manufacturing Base and Competitors

Table 68. Umicore Major Business

Table 69. Umicore Solid Polymer Electrolyte Fuel Cell Product and Services

Table 70. Umicore Solid Polymer Electrolyte Fuel Cell Production (Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2018-2023)

Table 71. Umicore Recent Developments/Updates

Table 72. Umicore Competitive Strengths & Weaknesses

Table 73. Hyundai Basic Information, Manufacturing Base and Competitors

Table 74. Hyundai Major Business

Table 75. Hyundai Solid Polymer Electrolyte Fuel Cell Product and Services

Table 76. Hyundai Solid Polymer Electrolyte Fuel Cell Production (Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2018-2023)

Table 77. Hyundai Recent Developments/Updates

Table 78. Hyundai Competitive Strengths & Weaknesses

Table 79. Ballard Basic Information, Manufacturing Base and Competitors

Table 80. Ballard Major Business

Table 81. Ballard Solid Polymer Electrolyte Fuel Cell Product and Services

Table 82. Ballard Solid Polymer Electrolyte Fuel Cell Production (Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2018-2023)

Table 83. Ballard Recent Developments/Updates

Table 84. Ballard Competitive Strengths & Weaknesses

Table 85. Mitsubishi Heavy Industries Basic Information, Manufacturing Base and Competitors

Table 86. Mitsubishi Heavy Industries Major Business

Table 87. Mitsubishi Heavy Industries Solid Polymer Electrolyte Fuel Cell Product and Services

Table 88. Mitsubishi Heavy Industries Solid Polymer Electrolyte Fuel Cell Production (Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2018-2023)

Table 89. Mitsubishi Heavy Industries Recent Developments/Updates

Table 90. Mitsubishi Heavy Industries Competitive Strengths & Weaknesses

Table 91. Robert Bosch Basic Information, Manufacturing Base and Competitors

Table 92. Robert Bosch Major Business

Table 93. Robert Bosch Solid Polymer Electrolyte Fuel Cell Product and Services

Table 94. Robert Bosch Solid Polymer Electrolyte Fuel Cell Production (Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2018-2023)

Table 95. Robert Bosch Recent Developments/Updates

Table 96. Robert Bosch Competitive Strengths & Weaknesses

Table 97. Toshiba Basic Information, Manufacturing Base and Competitors

Table 98. Toshiba Major Business

Table 99. Toshiba Solid Polymer Electrolyte Fuel Cell Product and Services

Table 100. Toshiba Solid Polymer Electrolyte Fuel Cell Production (Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2018-2023)

Table 101. Toshiba Recent Developments/Updates

Table 102. Toshiba Competitive Strengths & Weaknesses

Table 103. Bloom Energy Basic Information, Manufacturing Base and Competitors

Table 104. Bloom Energy Major Business

Table 105. Bloom Energy Solid Polymer Electrolyte Fuel Cell Product and Services

Table 106. Bloom Energy Solid Polymer Electrolyte Fuel Cell Production (Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2018-2023)

Table 107. Bloom Energy Recent Developments/Updates

Table 108. Bloom Energy Competitive Strengths & Weaknesses

Table 109. Ceres Power Basic Information, Manufacturing Base and Competitors

Table 110. Ceres Power Major Business

Table 111. Ceres Power Solid Polymer Electrolyte Fuel Cell Product and Services

Table 112. Ceres Power Solid Polymer Electrolyte Fuel Cell Production (Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2018-2023)

Table 113. Ceres Power Recent Developments/Updates

Table 114. Ceres Power Competitive Strengths & Weaknesses

Table 115. Plug Power Basic Information, Manufacturing Base and Competitors

Table 116. Plug Power Major Business

Table 117. Plug Power Solid Polymer Electrolyte Fuel Cell Product and Services

Table 118. Plug Power Solid Polymer Electrolyte Fuel Cell Production (Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2018-2023)

Table 119. Plug Power Recent Developments/Updates

Table 120. Plug Power Competitive Strengths & Weaknesses

Table 121. Doosan Basic Information, Manufacturing Base and Competitors

Table 122. Doosan Major Business

Table 123. Doosan Solid Polymer Electrolyte Fuel Cell Product and Services

Table 124. Doosan Solid Polymer Electrolyte Fuel Cell Production (Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2018-2023)

Table 125. Doosan Recent Developments/Updates

Table 126. Doosan Competitive Strengths & Weaknesses

Table 127. Intelligent Energy Basic Information, Manufacturing Base and Competitors

Table 128. Intelligent Energy Major Business

Table 129. Intelligent Energy Solid Polymer Electrolyte Fuel Cell Product and Services

Table 130. Intelligent Energy Solid Polymer Electrolyte Fuel Cell Production (Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2018-2023)

Table 131. Intelligent Energy Recent Developments/Updates

Table 132. Intelligent Energy Competitive Strengths & Weaknesses

Table 133. PowerCell Basic Information, Manufacturing Base and Competitors

Table 134. PowerCell Major Business

Table 135. PowerCell Solid Polymer Electrolyte Fuel Cell Product and Services

Table 136. PowerCell Solid Polymer Electrolyte Fuel Cell Production (Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2018-2023)

Table 137. PowerCell Recent Developments/Updates

Table 138. GenCell Basic Information, Manufacturing Base and Competitors

Table 139. GenCell Major Business

Table 140. GenCell Solid Polymer Electrolyte Fuel Cell Product and Services

Table 141. GenCell Solid Polymer Electrolyte Fuel Cell Production (Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2018-2023)

Table 142. Global Key Players of Solid Polymer Electrolyte Fuel Cell Upstream (Raw Materials)

Table 143. Solid Polymer Electrolyte Fuel Cell Typical Customers

Table 144. Solid Polymer Electrolyte Fuel Cell Typical Distributors

List Of Figures

LIST OF FIGURES

Figure 1. Solid Polymer Electrolyte Fuel Cell Picture

Figure 2. World Solid Polymer Electrolyte Fuel Cell Production Value: 2018 & 2022 & 2029, (USD Million)

Figure 3. World Solid Polymer Electrolyte Fuel Cell Production Value and Forecast (2018-2029) & (USD Million)

Figure 4. World Solid Polymer Electrolyte Fuel Cell Production (2018-2029) & (Units)

Figure 5. World Solid Polymer Electrolyte Fuel Cell Average Price (2018-2029) & (US\$/Unit)

Figure 6. World Solid Polymer Electrolyte Fuel Cell Production Value Market Share by Region (2018-2029)

Figure 7. World Solid Polymer Electrolyte Fuel Cell Production Market Share by Region (2018-2029)

Figure 8. North America Solid Polymer Electrolyte Fuel Cell Production (2018-2029) & (Units)

Figure 9. Europe Solid Polymer Electrolyte Fuel Cell Production (2018-2029) & (Units)

Figure 10. China Solid Polymer Electrolyte Fuel Cell Production (2018-2029) & (Units)

Figure 11. Japan Solid Polymer Electrolyte Fuel Cell Production (2018-2029) & (Units)

Figure 12. Solid Polymer Electrolyte Fuel Cell Market Drivers

Figure 13. Factors Affecting Demand

Figure 14. World Solid Polymer Electrolyte Fuel Cell Consumption (2018-2029) & (Units)

Figure 15. World Solid Polymer Electrolyte Fuel Cell Consumption Market Share by Region (2018-2029)

Figure 16. United States Solid Polymer Electrolyte Fuel Cell Consumption (2018-2029) & (Units)

Figure 17. China Solid Polymer Electrolyte Fuel Cell Consumption (2018-2029) & (Units)

Figure 18. Europe Solid Polymer Electrolyte Fuel Cell Consumption (2018-2029) & (Units)

Figure 19. Japan Solid Polymer Electrolyte Fuel Cell Consumption (2018-2029) & (Units)

Figure 20. South Korea Solid Polymer Electrolyte Fuel Cell Consumption (2018-2029) & (Units)

Figure 21. ASEAN Solid Polymer Electrolyte Fuel Cell Consumption (2018-2029) & (Units)

Figure 22. India Solid Polymer Electrolyte Fuel Cell Consumption (2018-2029) & (Units)

Figure 23. Producer Shipments of Solid Polymer Electrolyte Fuel Cell by Manufacturer Revenue (\$MM) and Market Share (%): 2022

Figure 24. Global Four-firm Concentration Ratios (CR4) for Solid Polymer Electrolyte Fuel Cell Markets in 2022

Figure 25. Global Four-firm Concentration Ratios (CR8) for Solid Polymer Electrolyte Fuel Cell Markets in 2022

Figure 26. United States VS China: Solid Polymer Electrolyte Fuel Cell Production Value Market Share Comparison (2018 & 2022 & 2029)

Figure 27. United States VS China: Solid Polymer Electrolyte Fuel Cell Production Market Share Comparison (2018 & 2022 & 2029)

Figure 28. United States VS China: Solid Polymer Electrolyte Fuel Cell Consumption Market Share Comparison (2018 & 2022 & 2029)

Figure 29. United States Based Manufacturers Solid Polymer Electrolyte Fuel Cell Production Market Share 2022

Figure 30. China Based Manufacturers Solid Polymer Electrolyte Fuel Cell Production Market Share 2022

Figure 31. Rest of World Based Manufacturers Solid Polymer Electrolyte Fuel Cell Production Market Share 2022

Figure 32. World Solid Polymer Electrolyte Fuel Cell Production Value by Type, (USD Million), 2018 & 2022 & 2029

Figure 33. World Solid Polymer Electrolyte Fuel Cell Production Value Market Share by Type in 2022

Figure 34. Low-Temperature Fuel Cell (750?)

Figure 36. Medium-Temperature Fuel Cell (200-750 ?)

Figure 37. World Solid Polymer Electrolyte Fuel Cell Production Market Share by Type (2018-2029)

Figure 38. World Solid Polymer Electrolyte Fuel Cell Production Value Market Share by Type (2018-2029)

Figure 39. World Solid Polymer Electrolyte Fuel Cell Average Price by Type (2018-2029) & (US\$/Unit)

Figure 40. World Solid Polymer Electrolyte Fuel Cell Production Value by Application, (USD Million), 2018 & 2022 & 2029

Figure 41. World Solid Polymer Electrolyte Fuel Cell Production Value Market Share by Application in 2022

Figure 42. Automotive

Figure 43. Stationary Power

Figure 44. Portable Cell

Figure 45. Others

Figure 46. World Solid Polymer Electrolyte Fuel Cell Production Market Share by Application (2018-2029)

Figure 47. World Solid Polymer Electrolyte Fuel Cell Production Value Market Share by Application (2018-2029)

Figure 48. World Solid Polymer Electrolyte Fuel Cell Average Price by Application (2018-2029) & (US\$/Unit)

Figure 49. Solid Polymer Electrolyte Fuel Cell Industry Chain

Figure 50. Solid Polymer Electrolyte Fuel Cell Procurement Model

Figure 51. Solid Polymer Electrolyte Fuel Cell Sales Model

Figure 52. Solid Polymer Electrolyte Fuel Cell Sales Channels, Direct Sales, and Distribution

Figure 53. Methodology

Figure 54. Research Process and Data Source

I would like to order

Product name: Global Solid Polymer Electrolyte Fuel Cell Supply, Demand and Key Producers, 2023-2029

Product link: <https://marketpublishers.com/r/GF41B1B52E7FEN.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

Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/GF41B1B52E7FEN.html>