

# (COVID Version) Global Proton Exchange Membrane Fuel Cells Market Status (2016-2020) and Forecast (2021E-2026F) by Region, Product Type & End-Use

https://marketpublishers.com/r/CB0D661007DAEN.html

Date: December 2021

Pages: 97

Price: US\$ 3,000.00 (Single User License)

ID: CB0D661007DAEN

# **Abstracts**

#### **SUMMARY**

The report forecast global Proton Exchange Membrane Fuel Cells market to grow to reach xxx Million USD in 2020 with a CAGR of xx% during the period 2021E-2026F due to coronavirus situation.

The report offers detailed coverage of Proton Exchange Membrane Fuel Cells industry and main market trends with impact of coronavirus. The market research includes historical and forecast market data, demand, application details, price trends, and company shares of the leading Proton Exchange Membrane Fuel Cells by geography. The report splits the market size, by volume and value, on the basis of application type and geography.

First, this report covers the present status and the future prospects of the global Proton Exchange Membrane Fuel Cells market for 2016-2025.

And in this report, we analyze global market from 5 geographies: Asia-Pacific[China, Southeast Asia, India, Japan, Korea, Western Asia], Europe[Germany, UK, France, Italy, Russia, Spain, Netherlands, Turkey, Switzerland], North America[United States, Canada, Mexico], Middle East & Africa[GCC, North Africa, South Africa], South America[Brazil, Argentina, Columbia, Chile, Peru].

At the same time, we classify Proton Exchange Membrane Fuel Cells according to the type, application by geography. More importantly, the report includes major countries market based on the type and application.

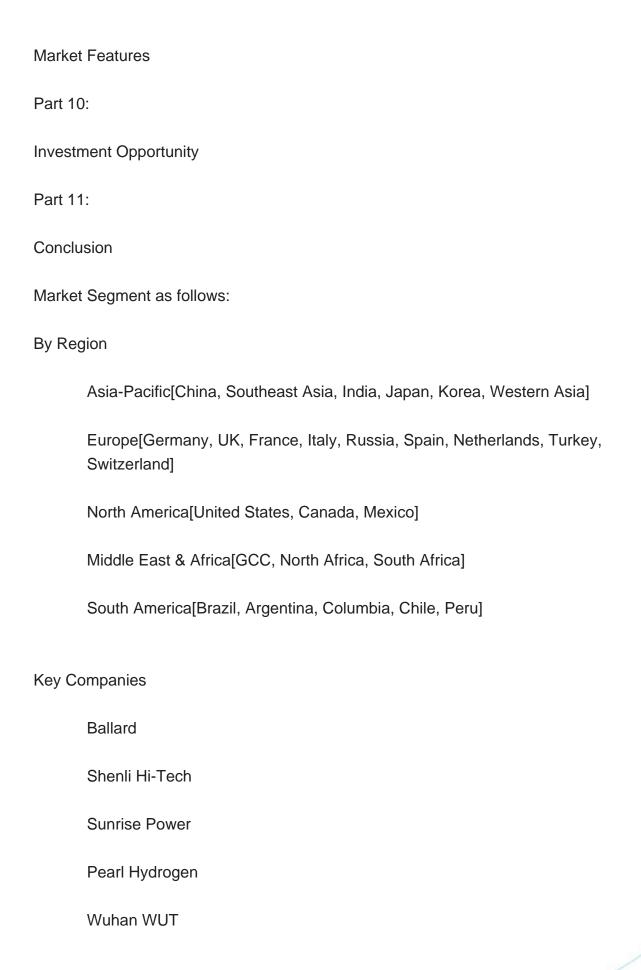


Finally, the report provides detailed profile and data information analysis of leading Proton Exchange Membrane Fuel Cells company.

Proton Exchange Membrane Fuel Cells company.
Key Content of Chapters as follows (Including and can be customized):
Part 1:
Market Overview, Development, and Segment by Type, Application & Region
Part 2:
Company information, Sales, Cost, Margin etc.
Part 3:
Global Market by company, Type, Application & Geography
Part 4:
Asia-Pacific Market by Type, Application & Geography
Part 5:
Europe Market by Type, Application & Geography
Part 6:
North America Market by Type, Application & Geography
Part 7:
South America Market by Type, Application & Geography
Part 8:
Middle East & Africa Market by Type, Application & Geography

Part 9:







	Foton	
	FeiChi Bus	
	SAIC	
	Dongfeng	
	Yutong	
	Hydrogenics	
	FuelCell Energy, Inc.	
	Horizon Fuel Cell Technologies	
	Nedstack	
Market by Type		
	Stationary Fuel-Cells	
	Portable Fuel-Cells	
Market by Application		
	Distributed Generation	
	Back up Supply	
	Space Shuttle	
	Others	



# **Contents**

#### PART 1 MARKET OVERVIEW

- 1.1 Market Definition
- 1.2 Market Development
  - 1.2.1 Current Situation
  - 1.2.2 Aspects of COVID-19 Impact
- 1.3 By Type

Table Type of Proton Exchange Membrane Fuel Cells

Figure Global Proton Exchange Membrane Fuel Cells Market Share by Type in 2020

1.4 By Application

Table Application of Proton Exchange Membrane Fuel Cells

Figure Global Proton Exchange Membrane Fuel Cells Market Share by Application in 2020

1.5 By Region

Figure Global Proton Exchange Membrane Fuel Cells Market Share by Region in 2020 Figure Asia Proton Exchange Membrane Fuel Cells Market Share by Region in 2020

#### **PART 2 KEY COMPANIES**

- 2.1 Ballard
  - 2.1.1 Company Profile

Table Ballard Overview List

- 2.1.2 Products & Services Overview
- 2.1.3 Sales Data List

Table Proton Exchange Membrane Fuel Cells Business Operation of Ballard (Sales Revenue, Sales Volume, Price, Cost, Gross Margin)

- 2.2 Shenli Hi-Tech
- 2.3 Sunrise Power
- 2.4 Pearl Hydrogen
- 2.5 Wuhan WUT
- 2.6 Foton
- 2.7 FeiChi Bus
- **2.8 SAIC**
- 2.9 Dongfeng
- 2.10 Yutong
- 2.11 Hydrogenics
- 2.12 FuelCell Energy, Inc.



- 2.13 Horizon Fuel Cell Technologies
- 2.14 Nedstack

#### PART 3 GLOBAL MARKET STATUS AND FUTURE FORECAST

3.1 Global Market by Region

Table Global Proton Exchange Membrane Fuel Cells Market by Region, 2016-2020 (Million USD)

Figure Global Proton Exchange Membrane Fuel Cells Market Share by Region in 2020 (Million USD)

Table Global Proton Exchange Membrane Fuel Cells Market by Region, 2016-2020 (Volume)

Figure Global Proton Exchange Membrane Fuel Cells Market Share by Region in 2020 (Volume)

Table Price List by Region, 2016-2020

3.2 Global Market by Company

Table Global Proton Exchange Membrane Fuel Cells Market by Company, 2016-2020 (Million USD)

Figure Global Proton Exchange Membrane Fuel Cells Market Share by Company in 2020 (Million USD)

Table Global Proton Exchange Membrane Fuel Cells Market by Company, 2016-2020 (Volume)

Figure Global Proton Exchange Membrane Fuel Cells Market Share by Company in 2020 (Volume)

Table Price List by Company, 2016-2020

3.3 Global Market by Type

Table Global Proton Exchange Membrane Fuel Cells Market by Type, 2016-2020 (Million USD)

Figure Global Proton Exchange Membrane Fuel Cells Market Share by Type in 2020 (Million USD)

Table Global Proton Exchange Membrane Fuel Cells Market by Type, 2016-2020 (Volume)

Figure Global Proton Exchange Membrane Fuel Cells Market Share by Type in 2020 (Volume)

Table Price List by Type, 2016-2020

3.4 Global Market by Application

Table Global Proton Exchange Membrane Fuel Cells Market by Application, 2016-2020 (Million USD)

Figure Global Proton Exchange Membrane Fuel Cells Market Share by Application in



2020 (Million USD)

Table Global Proton Exchange Membrane Fuel Cells Market by Application, 2016-2020 (Volume)

Figure Global Proton Exchange Membrane Fuel Cells Market Share by Application in 2020 (Volume)

Table Price List by Application, 2016-2020

3.5 Global Market by Forecast

Figure Global Proton Exchange Membrane Fuel Cells Market Forecast, 2021E-2026F (Million USD)

Figure Global Proton Exchange Membrane Fuel Cells Market Forecast, 2021E-2026F (Volume)

#### PART 4 ASIA-PACIFIC MARKET STATUS AND FUTURE FORECAST

4.1 Asia-Pacific Market by Type

Table Asia-Pacific Proton Exchange Membrane Fuel Cells Market by Type, 2016-2020 (Million USD)

Figure Asia-Pacific Proton Exchange Membrane Fuel Cells Market Share by Type in 2020 (Million USD)

Table Asia-Pacific Proton Exchange Membrane Fuel Cells Market by Type, 2016-2020 (Volume)

Figure Asia-Pacific Proton Exchange Membrane Fuel Cells Market Share by Type in 2020 (Volume)

Table Price List by Type, 2016-2020

4.2 Asia-Pacific Market by Application

Table Asia-Pacific Proton Exchange Membrane Fuel Cells Market by Application, 2016-2020 (Million USD)

Figure Asia-Pacific Proton Exchange Membrane Fuel Cells Market Share by Application in 2020 (Million USD)

Table Asia-Pacific Proton Exchange Membrane Fuel Cells Market by Application, 2016-2020 (Volume)

Figure Asia-Pacific Proton Exchange Membrane Fuel Cells Market Share by Application in 2020 (Volume)

Table Price List by Application, 2016-2020

4.3 Asia-Pacific Market by Geography

4.3.1 China Market Status and Future Forecast

Figure China Proton Exchange Membrane Fuel Cells Market Market Status, 2016-2020 (Million USD)

Figure China Proton Exchange Membrane Fuel Cells Market Market Status, 2016-2020



(Volume)

Figure China Proton Exchange Membrane Fuel Cells Market Forecast, 2021E-2026F (Million USD)

Figure China Proton Exchange Membrane Fuel Cells Market Forecast, 2021E-2026F (Volume)

4.3.2 Southeast Asia Market Status and Future Forecast

Figure Southeast Asia Proton Exchange Membrane Fuel Cells Market Market Status, 2016-2020 (Million USD)

Figure Southeast Asia Proton Exchange Membrane Fuel Cells Market Market Status, 2016-2020 (Volume)

Figure Southeast Asia Proton Exchange Membrane Fuel Cells Market Forecast, 2021E-2026F (Million USD)

Figure Southeast Asia Proton Exchange Membrane Fuel Cells Market Forecast, 2021E-2026F (Volume)

4.3.3 India Market Status and Future Forecast

Figure India Proton Exchange Membrane Fuel Cells Market Market Status, 2016-2020 (Million USD)

Figure India Proton Exchange Membrane Fuel Cells Market Market Status, 2016-2020 (Volume)

Figure India Proton Exchange Membrane Fuel Cells Market Forecast, 2021E-2026F (Million USD)

Figure India Proton Exchange Membrane Fuel Cells Market Forecast, 2021E-2026F (Volume)

4.3.4 Japan Market Status and Future Forecast

Figure Japan Proton Exchange Membrane Fuel Cells Market Market Status, 2016-2020 (Million USD)

Figure Japan Proton Exchange Membrane Fuel Cells Market Market Status, 2016-2020 (Volume)

Figure Japan Proton Exchange Membrane Fuel Cells Market Forecast, 2021E-2026F (Million USD)

Figure Japan Proton Exchange Membrane Fuel Cells Market Forecast, 2021E-2026F (Volume)

4.3.5 Korea Market Status and Future Forecast

Figure Korea Proton Exchange Membrane Fuel Cells Market Market Status, 2016-2020 (Million USD)

Figure Korea Proton Exchange Membrane Fuel Cells Market Market Status, 2016-2020 (Volume)

Figure Korea Proton Exchange Membrane Fuel Cells Market Forecast, 2021E-2026F (Million USD)



Figure Korea Proton Exchange Membrane Fuel Cells Market Forecast, 2021E-2026F (Volume)

4.3.6 Oceania Market Status and Future Forecast

Figure Oceania Proton Exchange Membrane Fuel Cells Market Market Status, 2016-2020 (Million USD)

Figure Oceania Proton Exchange Membrane Fuel Cells Market Market Status, 2016-2020 (Volume)

Figure Oceania Proton Exchange Membrane Fuel Cells Market Forecast, 2021E-2026F (Million USD)

Figure Oceania Proton Exchange Membrane Fuel Cells Market Forecast, 2021E-2026F (Volume)

4.4 Asia-Pacific Market by Forecast

Figure Asia-Pacific Proton Exchange Membrane Fuel Cells Market Forecast, 2021E-2026F (Million USD)

Figure Asia-Pacific Proton Exchange Membrane Fuel Cells Market Forecast, 2021E-2026F (Volume)

#### PART 5 EUROPE MARKET STATUS AND FUTURE FORECAST

5.1 Europe Market by Type

Table Europe Proton Exchange Membrane Fuel Cells Market by Type, 2016-2020 (Million USD)

Figure Europe Proton Exchange Membrane Fuel Cells Market Share by Type in 2020 (Million USD)

Table Europe Proton Exchange Membrane Fuel Cells Market by Type, 2016-2020 (Volume)

Figure Europe Proton Exchange Membrane Fuel Cells Market Share by Type in 2020 (Volume)

Table Price List by Type, 2016-2020

5.2 Europe Market by Application

Table Europe Proton Exchange Membrane Fuel Cells Market by Application, 2016-2020 (Million USD)

Figure Europe Proton Exchange Membrane Fuel Cells Market Share by Application in 2020 (Million USD)

Table Europe Proton Exchange Membrane Fuel Cells Market by Application, 2016-2020 (Volume)

Figure Europe Proton Exchange Membrane Fuel Cells Market Share by Application in 2020 (Volume)

Table Price List by Application, 2016-2020



# 5.3 Europe Market by Geography

5.3.1 Germany Market Status and Future Forecast

Figure Germany Proton Exchange Membrane Fuel Cells Market Market Status, 2016-2020 (Million USD)

Figure Germany Proton Exchange Membrane Fuel Cells Market Market Status, 2016-2020 (Volume)

Figure Germany Proton Exchange Membrane Fuel Cells Market Forecast, 2021E-2026F (Million USD)

Figure Germany Proton Exchange Membrane Fuel Cells Market Forecast, 2021E-2026F (Volume)

5.3.2 UK Market Status and Future Forecast

Figure UK Proton Exchange Membrane Fuel Cells Market Market Status, 2016-2020 (Million USD)

Figure UK Proton Exchange Membrane Fuel Cells Market Market Status, 2016-2020 (Volume)

Figure UK Proton Exchange Membrane Fuel Cells Market Forecast, 2021E-2026F (Million USD)

Figure UK Proton Exchange Membrane Fuel Cells Market Forecast, 2021E-2026F (Volume)

5.3.3 France Market Status and Future Forecast

Figure France Proton Exchange Membrane Fuel Cells Market Market Status, 2016-2020 (Million USD)

Figure France Proton Exchange Membrane Fuel Cells Market Market Status, 2016-2020 (Volume)

Figure France Proton Exchange Membrane Fuel Cells Market Forecast, 2021E-2026F (Million USD)

Figure France Proton Exchange Membrane Fuel Cells Market Forecast, 2021E-2026F (Volume)

5.3.4 Italy Market Status and Future Forecast

Figure Italy Proton Exchange Membrane Fuel Cells Market Market Status, 2016-2020 (Million USD)

Figure Italy Proton Exchange Membrane Fuel Cells Market Market Status, 2016-2020 (Volume)

Figure Italy Proton Exchange Membrane Fuel Cells Market Forecast, 2021E-2026F (Million USD)

Figure Italy Proton Exchange Membrane Fuel Cells Market Forecast, 2021E-2026F (Volume)

5.3.5 Russia Market Status and Future Forecast

Figure Russia Proton Exchange Membrane Fuel Cells Market Market Status,



2016-2020 (Million USD)

Figure Russia Proton Exchange Membrane Fuel Cells Market Market Status, 2016-2020 (Volume)

Figure Russia Proton Exchange Membrane Fuel Cells Market Forecast, 2021E-2026F (Million USD)

Figure Russia Proton Exchange Membrane Fuel Cells Market Forecast, 2021E-2026F (Volume)

5.3.6 Spain Market Status and Future Forecast

Figure Spain Proton Exchange Membrane Fuel Cells Market Market Status, 2016-2020 (Million USD)

Figure Spain Proton Exchange Membrane Fuel Cells Market Market Status, 2016-2020 (Volume)

Figure Spain Proton Exchange Membrane Fuel Cells Market Forecast, 2021E-2026F (Million USD)

Figure Spain Proton Exchange Membrane Fuel Cells Market Forecast, 2021E-2026F (Volume)

5.3.6 Netherlands Market Status and Future Forecast

Figure Netherlands Proton Exchange Membrane Fuel Cells Market Market Status, 2016-2020 (Million USD)

Figure Netherlands Proton Exchange Membrane Fuel Cells Market Market Status, 2016-2020 (Volume)

Figure Netherlands Proton Exchange Membrane Fuel Cells Market Forecast, 2021E-2026F (Million USD)

Figure Netherlands Proton Exchange Membrane Fuel Cells Market Forecast, 2021E-2026F (Volume)

5.3.7 Turkey Market Status and Future Forecast

Figure Turkey Proton Exchange Membrane Fuel Cells Market Market Status, 2016-2020 (Million USD)

Figure Turkey Proton Exchange Membrane Fuel Cells Market Market Status, 2016-2020 (Volume)

Figure Turkey Proton Exchange Membrane Fuel Cells Market Forecast, 2021E-2026F (Million USD)

Figure Turkey Proton Exchange Membrane Fuel Cells Market Forecast, 2021E-2026F (Volume)

5.3.6 Switzerland Market Status and Future Forecast

Figure Switzerland Proton Exchange Membrane Fuel Cells Market Market Status, 2016-2020 (Million USD)

Figure Switzerland Proton Exchange Membrane Fuel Cells Market Market Status, 2016-2020 (Volume)



Figure Switzerland Proton Exchange Membrane Fuel Cells Market Forecast, 2021E-2026F (Million USD)

Figure Switzerland Proton Exchange Membrane Fuel Cells Market Forecast, 2021E-2026F (Volume)

5.4 Europe Market by Forecast

Figure Europe Proton Exchange Membrane Fuel Cells Market Forecast, 2021E-2026F (Million USD)

Figure Europe Proton Exchange Membrane Fuel Cells Market Forecast, 2021E-2026F (Volume)

#### PART 6 NORTH AMERICA MARKET STATUS AND FUTURE FORECAST

6.1 North America Market by Type

Table North America Proton Exchange Membrane Fuel Cells Market by Type, 2016-2020 (Million USD)

Figure North America Proton Exchange Membrane Fuel Cells Market Share by Type in 2020 (Million USD)

Table North America Proton Exchange Membrane Fuel Cells Market by Type, 2016-2020 (Volume)

Figure North America Proton Exchange Membrane Fuel Cells Market Share by Type in 2020 (Volume)

Table Price List by Type, 2016-2020

6.2 North America Market by Application

Table North America Proton Exchange Membrane Fuel Cells Market by Application, 2016-2020 (Million USD)

Figure North America Proton Exchange Membrane Fuel Cells Market Share by Application in 2020 (Million USD)

Table North America Proton Exchange Membrane Fuel Cells Market by Application, 2016-2020 (Volume)

Figure North America Proton Exchange Membrane Fuel Cells Market Share by Application in 2020 (Volume)

Table Price List by Application, 2016-2020

6.3 North America Market by Geography

6.3.1 United States Market Status and Future Forecast

Figure United States Proton Exchange Membrane Fuel Cells Market Market Status, 2016-2020 (Million USD)

Figure United States Proton Exchange Membrane Fuel Cells Market Market Status, 2016-2020 (Volume)

Figure United States Proton Exchange Membrane Fuel Cells Market Forecast,



2021E-2026F (Million USD)

Figure United States Proton Exchange Membrane Fuel Cells Market Forecast, 2021E-2026F (Volume)

6.3.2 Canada Market Status and Future Forecast

Figure Canada Proton Exchange Membrane Fuel Cells Market Market Status, 2016-2020 (Million USD)

Figure Canada Proton Exchange Membrane Fuel Cells Market Market Status, 2016-2020 (Volume)

Figure Canada Proton Exchange Membrane Fuel Cells Market Forecast, 2021E-2026F (Million USD)

Figure Canada Proton Exchange Membrane Fuel Cells Market Forecast, 2021E-2026F (Volume)

6.3.3 Mexico Market Status and Future Forecast

Figure Mexico Proton Exchange Membrane Fuel Cells Market Market Status, 2016-2020 (Million USD)

Figure Mexico Proton Exchange Membrane Fuel Cells Market Market Status, 2016-2020 (Volume)

Figure Mexico Proton Exchange Membrane Fuel Cells Market Forecast, 2021E-2026F (Million USD)

Figure Mexico Proton Exchange Membrane Fuel Cells Market Forecast, 2021E-2026F (Volume)

6.4 North America Market by Forecast

Figure North America Proton Exchange Membrane Fuel Cells Market Forecast, 2021E-2026F (Million USD)

Figure North America Proton Exchange Membrane Fuel Cells Market Forecast, 2021E-2026F (Volume)

#### PART 7 SOUTH AMERICA MARKET STATUS AND FUTURE FORECAST

7.1 South America Market by Type

Table South America Proton Exchange Membrane Fuel Cells Market by Type, 2016-2020 (Million USD)

Figure South America Proton Exchange Membrane Fuel Cells Market Share by Type in 2020 (Million USD)

Table South America Proton Exchange Membrane Fuel Cells Market by Type, 2016-2020 (Volume)

Figure South America Proton Exchange Membrane Fuel Cells Market Share by Type in 2020 (Volume)

Table Price List by Type, 2016-2020



7.2 South America Market by Application

Table South America Proton Exchange Membrane Fuel Cells Market by Application, 2016-2020 (Million USD)

Figure South America Proton Exchange Membrane Fuel Cells Market Share by Application in 2020 (Million USD)

Table South America Proton Exchange Membrane Fuel Cells Market by Application, 2016-2020 (Volume)

Figure South America Proton Exchange Membrane Fuel Cells Market Share by Application in 2020 (Volume)

Table Price List by Application, 2016-2020

7.3 South America Market by Geography

7.3.1 Brazil Market Status and Future Forecast

Figure Brazil Proton Exchange Membrane Fuel Cells Market Market Status, 2016-2020 (Million USD)

Figure Brazil Proton Exchange Membrane Fuel Cells Market Market Status, 2016-2020 (Volume)

Figure Brazil Proton Exchange Membrane Fuel Cells Market Forecast, 2021E-2026F (Million USD)

Figure Brazil Proton Exchange Membrane Fuel Cells Market Forecast, 2021E-2026F (Volume)

7.3.2 Argentina Market Status and Future Forecast

Figure Argentina Proton Exchange Membrane Fuel Cells Market Market Status, 2016-2020 (Million USD)

Figure Argentina Proton Exchange Membrane Fuel Cells Market Market Status, 2016-2020 (Volume)

Figure Argentina Proton Exchange Membrane Fuel Cells Market Forecast, 2021E-2026F (Million USD)

Figure Argentina Proton Exchange Membrane Fuel Cells Market Forecast, 2021E-2026F (Volume)

7.3.3 Columbia Market Status and Future Forecast

Figure Columbia Proton Exchange Membrane Fuel Cells Market Market Status, 2016-2020 (Million USD)

Figure Columbia Proton Exchange Membrane Fuel Cells Market Market Status, 2016-2020 (Volume)

Figure Columbia Proton Exchange Membrane Fuel Cells Market Forecast, 2021E-2026F (Million USD)

Figure Columbia Proton Exchange Membrane Fuel Cells Market Forecast, 2021E-2026F (Volume)

7.3.4 Chile Market Status and Future Forecast



Figure Chile Proton Exchange Membrane Fuel Cells Market Market Status, 2016-2020 (Million USD)

Figure Chile Proton Exchange Membrane Fuel Cells Market Market Status, 2016-2020 (Volume)

Figure Chile Proton Exchange Membrane Fuel Cells Market Forecast, 2021E-2026F (Million USD)

Figure Chile Proton Exchange Membrane Fuel Cells Market Forecast, 2021E-2026F (Volume)

7.3.5 Peru Market Status and Future Forecast

Figure Peru Proton Exchange Membrane Fuel Cells Market Market Status, 2016-2020 (Million USD)

Figure Peru Proton Exchange Membrane Fuel Cells Market Market Status, 2016-2020 (Volume)

Figure Peru Proton Exchange Membrane Fuel Cells Market Forecast, 2021E-2026F (Million USD)

Figure Peru Proton Exchange Membrane Fuel Cells Market Forecast, 2021E-2026F (Volume)

7.4 South America Market by Forecast

Figure South America Proton Exchange Membrane Fuel Cells Market Forecast, 2021E-2026F (Million USD)

Figure South America Proton Exchange Membrane Fuel Cells Market Forecast, 2021E-2026F (Volume)

#### PART 8 MIDDLE EAST & AFRICA MARKET STATUS AND FUTURE FORECAST

8.1 Middle East & Africa Market by Type

Table Middle East & Africa Proton Exchange Membrane Fuel Cells Market by Type, 2016-2020 (Million USD)

Figure Middle East & Africa Proton Exchange Membrane Fuel Cells Market Share by Type in 2020 (Million USD)

Table Middle East & Africa Proton Exchange Membrane Fuel Cells Market by Type, 2016-2020 (Volume)

Figure Middle East & Africa Proton Exchange Membrane Fuel Cells Market Share by Type in 2020 (Volume)

Table Price List by Type, 2016-2020

8.2 Middle East & Africa Market by Application

Table Middle East & Africa Proton Exchange Membrane Fuel Cells Market by Application, 2016-2020 (Million USD)

Figure Middle East & Africa Proton Exchange Membrane Fuel Cells Market Share by



Application in 2020 (Million USD)

Table Middle East & Africa Proton Exchange Membrane Fuel Cells Market by Application, 2016-2020 (Volume)

Figure Middle East & Africa Proton Exchange Membrane Fuel Cells Market Share by Application in 2020 (Volume)

Table Price List by Application, 2016-2020

8.3 Middle East & Africa Market by Geography

8.3.1 GCC Market Status and Future Forecast

Figure GCC Proton Exchange Membrane Fuel Cells Market Market Status, 2016-2020 (Million USD)

Figure GCC Proton Exchange Membrane Fuel Cells Market Market Status, 2016-2020 (Volume)

Figure GCC Proton Exchange Membrane Fuel Cells Market Forecast, 2021E-2026F (Million USD)

Figure GCC Proton Exchange Membrane Fuel Cells Market Forecast, 2021E-2026F (Volume)

8.3.2 North Africa Market Status and Future Forecast

Figure North Africa Proton Exchange Membrane Fuel Cells Market Market Status, 2016-2020 (Million USD)

Figure North Africa Proton Exchange Membrane Fuel Cells Market Market Status, 2016-2020 (Volume)

Figure North Africa Proton Exchange Membrane Fuel Cells Market Forecast, 2021E-2026F (Million USD)

Figure North Africa Proton Exchange Membrane Fuel Cells Market Forecast, 2021E-2026F (Volume)

8.3.3 South Africa Market Status and Future Forecast

Figure South Africa Proton Exchange Membrane Fuel Cells Market Market Status, 2016-2020 (Million USD)

Figure South Africa Proton Exchange Membrane Fuel Cells Market Market Status, 2016-2020 (Volume)

Figure South Africa Proton Exchange Membrane Fuel Cells Market Forecast, 2021E-2026F (Million USD)

Figure South Africa Proton Exchange Membrane Fuel Cells Market Forecast, 2021E-2026F (Volume)

8.4 Middle East & Africa Market by Forecast

Figure Middle East & Africa Proton Exchange Membrane Fuel Cells Market Forecast, 2021E-2026F (Million USD)

Figure Middle East & Africa Proton Exchange Membrane Fuel Cells Market Forecast, 2021E-2026F (Volume)



#### **PART 9 MARKET FEATURES**

- 9.1 Product Features
- 9.2 Price Features
- 9.3 Channel Features
- 9.4 Purchasing Features

#### **PART 10 INVESTMENT OPPORTUNITY**

- 10.1 Regional Investment Opportunity
- 10.2 Industry Investment Opportunity

#### **PART 11 CORONAVIRUS IMPACT**

- 11.1 Impact on Industry Upstream
- 11.2 Impact on Industry Downstream
- 11.3 Impact on Industry Channels
- 11.4 Impact on Industry Competition
- 11.5 Impact on Industry Obtain Employment

#### **PART 12 CONCLUSION**



# **List Of Tables**

#### LIST OF TABLES

Table Type of Proton Exchange Membrane Fuel Cells

Table Application of Proton Exchange Membrane Fuel Cells

**Table Ballard Overview List** 

Table Proton Exchange Membrane Fuel Cells Business Operation of Ballard (Sales Revenue, Sales Volume, Price, Cost, Gross Margin)

Table Electronics & Semiconductor Business Operation of Shenli Hi-Tech (Sales Revenue, Sales Volume, Price, Cost, Gross Margin)

Table Business Operation of Sunrise Power (Sales Revenue, Sales Volume, Price, Cost, Gross Margin)

Table Volume Business Operation of Pearl Hydrogen (Sales Revenue, Sales Volume, Price, Cost, Gross Margin)

Table xxx Business Operation of Wuhan WUT (Sales Revenue, Sales Volume, Price, Cost, Gross Margin)

Table xx% Business Operation of Foton (Sales Revenue, Sales Volume, Price, Cost, Gross Margin)

Table 14 Business Operation of FeiChi Bus (Sales Revenue, Sales Volume, Price, Cost, Gross Margin)

Table 2 Business Operation of SAIC (Sales Revenue, Sales Volume, Price, Cost, Gross Margin)

Table 0 Business Operation of Dongfeng (Sales Revenue, Sales Volume, Price, Cost, Gross Margin)

Table 4 Business Operation of Yutong (Sales Revenue, Sales Volume, Price, Cost, Gross Margin)

Table 1800 Business Operation of Hydrogenics (Sales Revenue, Sales Volume, Price, Cost, Gross Margin)

Table 2160 Business Operation of FuelCell Energy, Inc. (Sales Revenue, Cost, Gross Margin)

Table 2810 Business Operation of Horizon Fuel Cell Technologies (Sales Revenue, Sales Volume, Price, Cost, Gross Margin)

Table 80 Business Operation of Nedstack (Sales Revenue, Cost, Gross Margin)
Table Global Proton Exchange Membrane Fuel Cells Market by Region, 2016-2020
(Million USD)

Table Global Proton Exchange Membrane Fuel Cells Market by Region, 2016-2020 (Volume)

Table Price List by Region, 2016-2020

Table Global Proton Exchange Membrane Fuel Cells Market by Company, 2016-2020



(Million USD)

Table Global Proton Exchange Membrane Fuel Cells Market by Company, 2016-2020 (Volume)

Table Price List by Company, 2016-2020

Table Global Proton Exchange Membrane Fuel Cells Market by Type, 2016-2020 (Million USD)

Table Global Proton Exchange Membrane Fuel Cells Market by Type, 2016-2020 (Volume)

Table Price List by Type, 2016-2020

Table Global Proton Exchange Membrane Fuel Cells Market by Application, 2016-2020 (Million USD)

Table Global Proton Exchange Membrane Fuel Cells Market by Application, 2016-2020 (Volume)

Table Price List by Application, 2016-2020

Table Asia-Pacific Proton Exchange Membrane Fuel Cells Market by Type, 2016-2020 (Million USD)

Table Asia-Pacific Proton Exchange Membrane Fuel Cells Market by Type, 2016-2020 (Volume)

Table Price List by Type, 2016-2020

Table Asia-Pacific Proton Exchange Membrane Fuel Cells Market by Application, 2016-2020 (Million USD)

Table Asia-Pacific Proton Exchange Membrane Fuel Cells Market by Application, 2016-2020 (Volume)

Table Price List by Application, 2016-2020

Table Europe Proton Exchange Membrane Fuel Cells Market by Type, 2016-2020 (Million USD)

Table Europe Proton Exchange Membrane Fuel Cells Market by Type, 2016-2020 (Volume)

Table Price List by Type, 2016-2020

Table Europe Proton Exchange Membrane Fuel Cells Market by Application, 2016-2020 (Million USD)

Table Europe Proton Exchange Membrane Fuel Cells Market by Application, 2016-2020 (Volume)

Table Price List by Application, 2016-2020

Table North America Proton Exchange Membrane Fuel Cells Market by Type, 2016-2020 (Million USD)

Table North America Proton Exchange Membrane Fuel Cells Market by Type, 2016-2020 (Volume)

Table Price List by Type, 2016-2020



Table North America Proton Exchange Membrane Fuel Cells Market by Application, 2016-2020 (Million USD)

Table North America Proton Exchange Membrane Fuel Cells Market by Application, 2016-2020 (Volume)

Table Price List by Application, 2016-2020

Table South America Proton Exchange Membrane Fuel Cells Market by Type, 2016-2020 (Million USD)

Table South America Proton Exchange Membrane Fuel Cells Market by Type, 2016-2020 (Volume)

Table Price List by Type, 2016-2020

Table South America Proton Exchange Membrane Fuel Cells Market by Application, 2016-2020 (Million USD)

Table South America Proton Exchange Membrane Fuel Cells Market by Application, 2016-2020 (Volume)

Table Price List by Application, 2016-2020

Table Middle East & Africa Proton Exchange Membrane Fuel Cells Market by Type, 2016-2020 (Million USD)

Table Middle East & Africa Proton Exchange Membrane Fuel Cells Market by Type, 2016-2020 (Volume)

Table Price List by Type, 2016-2020

Table Middle East & Africa Proton Exchange Membrane Fuel Cells Market by Application, 2016-2020 (Million USD)

Table Middle East & Africa Proton Exchange Membrane Fuel Cells Market by Application, 2016-2020 (Volume)

Table Price List by Application, 2016-2020



# **List Of Figures**

#### LIST OF FIGURES

Figure Global Proton Exchange Membrane Fuel Cells Market Share by Type in 2020 Figure Global Proton Exchange Membrane Fuel Cells Market Share by Application in 2020

Figure Global Proton Exchange Membrane Fuel Cells Market Share by Region in 2020 Figure Asia Proton Exchange Membrane Fuel Cells Market Share by Region in 2020 Figure Global Proton Exchange Membrane Fuel Cells Market Share by Region in 2020 (Million USD)

Figure Global Proton Exchange Membrane Fuel Cells Market Share by Region in 2020 (Volume)

Figure Global Proton Exchange Membrane Fuel Cells Market Share by Company in 2020 (Million USD)

Figure Global Proton Exchange Membrane Fuel Cells Market Share by Company in 2020 (Volume)

Figure Global Proton Exchange Membrane Fuel Cells Market Share by Type in 2020 (Million USD)

Figure Global Proton Exchange Membrane Fuel Cells Market Share by Type in 2020 (Volume)

Figure Global Proton Exchange Membrane Fuel Cells Market Share by Application in 2020 (Million USD)

Figure Global Proton Exchange Membrane Fuel Cells Market Share by Application in 2020 (Volume)

Figure Global Proton Exchange Membrane Fuel Cells Market Forecast, 2021E-2026F (Million USD)

Figure Global Proton Exchange Membrane Fuel Cells Market Forecast, 2021E-2026F (Volume)

Figure Asia-Pacific Proton Exchange Membrane Fuel Cells Market Share by Type in 2020 (Million USD)

Figure Asia-Pacific Proton Exchange Membrane Fuel Cells Market Share by Type in 2020 (Volume)

Figure Asia-Pacific Proton Exchange Membrane Fuel Cells Market Share by Application in 2020 (Million USD)

Figure Asia-Pacific Proton Exchange Membrane Fuel Cells Market Share by Application in 2020 (Volume)

Figure China Proton Exchange Membrane Fuel Cells Market Market Status, 2016-2020 (Million USD)

Figure China Proton Exchange Membrane Fuel Cells Market Market Status, 2016-2020



(Volume)

Figure China Proton Exchange Membrane Fuel Cells Market Forecast, 2021E-2026F (Million USD)

Figure China Proton Exchange Membrane Fuel Cells Market Forecast, 2021E-2026F (Volume)

Figure Southeast Asia Proton Exchange Membrane Fuel Cells Market Market Status, 2016-2020 (Million USD)

Figure Southeast Asia Proton Exchange Membrane Fuel Cells Market Market Status, 2016-2020 (Volume)

Figure Southeast Asia Proton Exchange Membrane Fuel Cells Market Forecast, 2021E-2026F (Million USD)

Figure Southeast Asia Proton Exchange Membrane Fuel Cells Market Forecast, 2021E-2026F (Volume)

Figure India Proton Exchange Membrane Fuel Cells Market Market Status, 2016-2020 (Million USD)

Figure India Proton Exchange Membrane Fuel Cells Market Market Status, 2016-2020 (Volume)

Figure India Proton Exchange Membrane Fuel Cells Market Forecast, 2021E-2026F (Million USD)

Figure India Proton Exchange Membrane Fuel Cells Market Forecast, 2021E-2026F (Volume)

Figure Japan Proton Exchange Membrane Fuel Cells Market Market Status, 2016-2020 (Million USD)

Figure Japan Proton Exchange Membrane Fuel Cells Market Market Status, 2016-2020 (Volume)

Figure Japan Proton Exchange Membrane Fuel Cells Market Forecast, 2021E-2026F (Million USD)

Figure Japan Proton Exchange Membrane Fuel Cells Market Forecast, 2021E-2026F (Volume)

Figure Korea Proton Exchange Membrane Fuel Cells Market Market Status, 2016-2020 (Million USD)

Figure Korea Proton Exchange Membrane Fuel Cells Market Market Status, 2016-2020 (Volume)

Figure Korea Proton Exchange Membrane Fuel Cells Market Forecast, 2021E-2026F (Million USD)

Figure Korea Proton Exchange Membrane Fuel Cells Market Forecast, 2021E-2026F (Volume)

Figure Oceania Proton Exchange Membrane Fuel Cells Market Market Status, 2016-2020 (Million USD)



Figure Oceania Proton Exchange Membrane Fuel Cells Market Market Status, 2016-2020 (Volume)

Figure Oceania Proton Exchange Membrane Fuel Cells Market Forecast, 2021E-2026F (Million USD)

Figure Oceania Proton Exchange Membrane Fuel Cells Market Forecast, 2021E-2026F (Volume)

Figure Asia-Pacific Proton Exchange Membrane Fuel Cells Market Forecast, 2021E-2026F (Million USD)

Figure Asia-Pacific Proton Exchange Membrane Fuel Cells Market Forecast, 2021E-2026F (Volume)

Figure Europe Proton Exchange Membrane Fuel Cells Market Share by Type in 2020 (Million USD)

Figure Europe Proton Exchange Membrane Fuel Cells Market Share by Type in 2020 (Volume)

Figure Europe Proton Exchange Membrane Fuel Cells Market Share by Application in 2020 (Million USD)

Figure Europe Proton Exchange Membrane Fuel Cells Market Share by Application in 2020 (Volume)

Figure Germany Proton Exchange Membrane Fuel Cells Market Market Status, 2016-2020 (Million USD)

Figure Germany Proton Exchange Membrane Fuel Cells Market Market Status, 2016-2020 (Volume)

Figure Germany Proton Exchange Membrane Fuel Cells Market Forecast, 2021E-2026F (Million USD)

Figure Germany Proton Exchange Membrane Fuel Cells Market Forecast, 2021E-2026F (Volume)

Figure UK Proton Exchange Membrane Fuel Cells Market Market Status, 2016-2020 (Million USD)

Figure UK Proton Exchange Membrane Fuel Cells Market Market Status, 2016-2020 (Volume)

Figure UK Proton Exchange Membrane Fuel Cells Market Forecast, 2021E-2026F (Million USD)

Figure UK Proton Exchange Membrane Fuel Cells Market Forecast, 2021E-2026F (Volume)

Figure France Proton Exchange Membrane Fuel Cells Market Market Status, 2016-2020 (Million USD)

Figure France Proton Exchange Membrane Fuel Cells Market Market Status, 2016-2020 (Volume)

Figure France Proton Exchange Membrane Fuel Cells Market Forecast, 2021E-2026F



(Million USD)

Figure France Proton Exchange Membrane Fuel Cells Market Forecast, 2021E-2026F (Volume)

Figure Italy Proton Exchange Membrane Fuel Cells Market Market Status, 2016-2020 (Million USD)

Figure Italy Proton Exchange Membrane Fuel Cells Market Market Status, 2016-2020 (Volume)

Figure Italy Proton Exchange Membrane Fuel Cells Market Forecast, 2021E-2026F (Million USD)

Figure Italy Proton Exchange Membrane Fuel Cells Market Forecast, 2021E-2026F (Volume)

Figure Russia Proton Exchange Membrane Fuel Cells Market Market Status, 2016-2020 (Million USD)

Figure Russia Proton Exchange Membrane Fuel Cells Market Market Status, 2016-2020 (Volume)

Figure Russia Proton Exchange Membrane Fuel Cells Market Forecast, 2021E-2026F (Million USD)

Figure Russia Proton Exchange Membrane Fuel Cells Market Forecast, 2021E-2026F (Volume)

Figure Spain Proton Exchange Membrane Fuel Cells Market Market Status, 2016-2020 (Million USD)

Figure Spain Proton Exchange Membrane Fuel Cells Market Market Status, 2016-2020 (Volume)

Figure Spain Proton Exchange Membrane Fuel Cells Market Forecast, 2021E-2026F (Million USD)

Figure Spain Proton Exchange Membrane Fuel Cells Market Forecast, 2021E-2026F (Volume)

Figure Netherlands Proton Exchange Membrane Fuel Cells Market Market Status, 2016-2020 (Million USD)

Figure Netherlands Proton Exchange Membrane Fuel Cells Market Market Status, 2016-2020 (Volume)

Figure Netherlands Proton Exchange Membrane Fuel Cells Market Forecast, 2021E-2026F (Million USD)

Figure Netherlands Proton Exchange Membrane Fuel Cells Market Forecast, 2021E-2026F (Volume)

Figure Turkey Proton Exchange Membrane Fuel Cells Market Market Status, 2016-2020 (Million USD)

Figure Turkey Proton Exchange Membrane Fuel Cells Market Market Status, 2016-2020 (Volume)



Figure Turkey Proton Exchange Membrane Fuel Cells Market Forecast, 2021E-2026F (Million USD)

Figure Turkey Proton Exchange Membrane Fuel Cells Market Forecast, 2021E-2026F (Volume)

Figure Switzerland Proton Exchange Membrane Fuel Cells Market Market Status, 2016-2020 (Million USD)

Figure Switzerland Proton Exchange Membrane Fuel Cells Market Market Status, 2016-2020 (Volume)

Figure Switzerland Proton Exchange Membrane Fuel Cells Market Forecast, 2021E-2026F (Million USD)

Figure Switzerland Proton Exchange Membrane Fuel Cells Market Forecast, 2021E-2026F (Volume)

Figure Europe Proton Exchange Membrane Fuel Cells Market Forecast, 2021E-2026F (Million USD)

Figure Europe Proton Exchange Membrane Fuel Cells Market Forecast, 2021E-2026F (Volume)

Figure North America Proton Exchange Membrane Fuel Cells Market Share by Type in 2020 (Million USD)

Figure North America Proton Exchange Membrane Fuel Cells Market Share by Type in 2020 (Volume)

Figure North America Proton Exchange Membrane Fuel Cells Market Share by Application in 2020 (Million USD)

Figure North America Proton Exchange Membrane Fuel Cells Market Share by Application in 2020 (Volume)

Figure United States Proton Exchange Membrane Fuel Cells Market Market Status, 2016-2020 (Million USD)

Figure United States Proton Exchange Membrane Fuel Cells Market Market Status, 2016-2020 (Volume)

Figure United States Proton Exchange Membrane Fuel Cells Market Forecast, 2021E-2026F (Million USD)

Figure United States Proton Exchange Membrane Fuel Cells Market Forecast, 2021E-2026F (Volume)

Figure Canada Proton Exchange Membrane Fuel Cells Market Market Status, 2016-2020 (Million USD)

Figure Canada Proton Exchange Membrane Fuel Cells Market Market Status, 2016-2020 (Volume)

Figure Canada Proton Exchange Membrane Fuel Cells Market Forecast, 2021E-2026F (Million USD)

Figure Canada Proton Exchange Membrane Fuel Cells Market Forecast, 2021E-2026F



(Volume)

Figure Mexico Proton Exchange Membrane Fuel Cells Market Market Status, 2016-2020 (Million USD)

Figure Mexico Proton Exchange Membrane Fuel Cells Market Market Status, 2016-2020 (Volume)

Figure Mexico Proton Exchange Membrane Fuel Cells Market Forecast, 2021E-2026F (Million USD)

Figure Mexico Proton Exchange Membrane Fuel Cells Market Forecast, 2021E-2026F (Volume)

Figure North America Proton Exchange Membrane Fuel Cells Market Forecast, 2021E-2026F (Million USD)

Figure North America Proton Exchange Membrane Fuel Cells Market Forecast, 2021E-2026F (Volume)

Figure South America Proton Exchange Membrane Fuel Cells Market Share by Type in 2020 (Million USD)

Figure South America Proton Exchange Membrane Fuel Cells Market Share by Type in 2020 (Volume)

Figure South America Proton Exchange Membrane Fuel Cells Market Share by Application in 2020 (Million USD)

Figure South America Proton Exchange Membrane Fuel Cells Market Share by Application in 2020 (Volume)

Figure Brazil Proton Exchange Membrane Fuel Cells Market Market Status, 2016-2020 (Million USD)

Figure Brazil Proton Exchange Membrane Fuel Cells Market Market Status, 2016-2020 (Volume)

Figure Brazil Proton Exchange Membrane Fuel Cells Market Forecast, 2021E-2026F (Million USD)

Figure Brazil Proton Exchange Membrane Fuel Cells Market Forecast, 2021E-2026F (Volume)

Figure Argentina Proton Exchange Membrane Fuel Cells Market Market Status, 2016-2020 (Million USD)

Figure Argentina Proton Exchange Membrane Fuel Cells Market Market Status, 2016-2020 (Volume)

Figure Argentina Proton Exchange Membrane Fuel Cells Market Forecast, 2021E-2026F (Million USD)

Figure Argentina Proton Exchange Membrane Fuel Cells Market Forecast, 2021E-2026F (Volume)

Figure Columbia Proton Exchange Membrane Fuel Cells Market Market Status, 2016-2020 (Million USD)



Figure Columbia Proton Exchange Membrane Fuel Cells Market Market Status, 2016-2020 (Volume)

Figure Columbia Proton Exchange Membrane Fuel Cells Market Forecast, 2021E-2026F (Million USD)

Figure Columbia Proton Exchange Membrane Fuel Cells Market Forecast, 2021E-2026F (Volume)

Figure Chile Proton Exchange Membrane Fuel Cells Market Market Status, 2016-2020 (Million USD)

Figure Chile Proton Exchange Membrane Fuel Cells Market Market Status, 2016-2020 (Volume)

Figure Chile Proton Exchange Membrane Fuel Cells Market Forecast, 2021E-2026F (Million USD)

Figure Chile Proton Exchange Membrane Fuel Cells Market Forecast, 2021E-2026F (Volume)

Figure Peru Proton Exchange Membrane Fuel Cells Market Market Status, 2016-2020 (Million USD)

Figure Peru Proton Exchange Membrane Fuel Cells Market Market Status, 2016-2020 (Volume)

Figure Peru Proton Exchange Membrane Fuel Cells Market Forecast, 2021E-2026F (Million USD)

Figure Peru Proton Exchange Membrane Fuel Cells Market Forecast, 2021E-2026F (Volume)

Figure South America Proton Exchange Membrane Fuel Cells Market Forecast, 2021E-2026F (Million USD)

Figure South America Proton Exchange Membrane Fuel Cells Market Forecast, 2021E-2026F (Volume)

Figure Middle East & Africa Proton Exchange Membrane Fuel Cells Market Share by Type in 2020 (Million USD)

Figure Middle East & Africa Proton Exchange Membrane Fuel Cells Market Share by Type in 2020 (Volume)

Figure Middle East & Africa Proton Exchange Membrane Fuel Cells Market Share by Application in 2020 (Million USD)

Figure Middle East & Africa Proton Exchange Membrane Fuel Cells Market Share by Application in 2020 (Volume)

Figure GCC Proton Exchange Membrane Fuel Cells Market Market Status, 2016-2020 (Million USD)

Figure GCC Proton Exchange Membrane Fuel Cells Market Market Status, 2016-2020 (Volume)

Figure GCC Proton Exchange Membrane Fuel Cells Market Forecast, 2021E-2026F



(Million USD)

Figure GCC Proton Exchange Membrane Fuel Cells Market Forecast, 2021E-2026F (Volume)

Figure North Africa Proton Exchange Membrane Fuel Cells Market Market Status, 2016-2020 (Million USD)

Figure North Africa Proton Exchange Membrane Fuel Cells Market Market Status, 2016-2020 (Volume)

Figure North Africa Proton Exchange Membrane Fuel Cells Market Forecast, 2021E-2026F (Million USD)

Figure North Africa Proton Exchange Membrane Fuel Cells Market Forecast, 2021E-2026F (Volume)

Figure South Africa Proton Exchange Membrane Fuel Cells Market Market Status, 2016-2020 (Million USD)

Figure South Africa Proton Exchange Membrane Fuel Cells Market Market Status, 2016-2020 (Volume)

Figure South Africa Proton Exchange Membrane Fuel Cells Market Forecast, 2021E-2026F (Million USD)

Figure South Africa Proton Exchange Membrane Fuel Cells Market Forecast, 2021E-2026F (Volume)

Figure Middle East & Africa Proton Exchange Membrane Fuel Cells Market Forecast, 2021E-2026F (Million USD)

Figure Middle East & Africa Proton Exchange Membrane Fuel Cells Market Forecast, 2021E-2026F (Volume)



#### I would like to order

Product name: (COVID Version) Global Proton Exchange Membrane Fuel Cells Market Status

(2016-2020) and Forecast (2021E-2026F) by Region, Product Type & End-Use

Product link: <a href="https://marketpublishers.com/r/CB0D661007DAEN.html">https://marketpublishers.com/r/CB0D661007DAEN.html</a>

Price: US\$ 3,000.00 (Single User License / Electronic Delivery)

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

Service:

info@marketpublishers.com

# **Payment**

First name:

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <a href="https://marketpublishers.com/r/CB0D661007DAEN.html">https://marketpublishers.com/r/CB0D661007DAEN.html</a>

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

Last name:	
Email:	
Company:	
Address:	
City:	
Zip code:	
Country:	
Tel:	
Fax:	
Your message:	
	**All fields are required
	Custumer signature

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

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



