

# China Proton Exchange Membrane Fuel Cells(PEMFC) Industry Market Analysis & Forecast 2018-2023

<https://marketpublishers.com/r/CBC8B68BA4BEN.html>

Date: July 2018

Pages: 103

Price: US\$ 3,120.00 (Single User License)

ID: CBC8B68BA4BEN

## Abstracts

In the China Proton Exchange Membrane Fuel Cells(PEMFC) Industry Market Analysis & Forecast 2018-2023, the revenue is valued at USD XX million in 2017 and is expected to reach USD XX million by the end of 2023, growing at a CAGR of XX% between 2018 and 2023. The production is estimated at XX million in 2017 and is forecasted to reach XX million by the end of 2023, growing at a CAGR of XX% between 2018 and 2023.

It covers Regional Segment Analysis, Type, Application, Major Manufacturers, Industry Chain Analysis, Competitive Insights and Macroeconomic Analysis.

The Major players reported in the market include:

Protonex

Plug-Power

H-Power

Fuelcell Energy

Hydrogenics

Nedstack PEM Fuel Cells

Altergy Systems

Shangdong Dongyue

Sigma-Aldrich

China Proton Exchange Membrane Fuel Cells(PEMFC) Market: Product Segment Analysis

Compressed Gaseous Hydrogen

Cryogenic Liquid Hydrogen

Others

## China Proton Exchange Membrane Fuel Cells(PEMFC) Market: Application Segment Analysis

Automotive

Space Shuttle

Others

### **Reasons for Buying this Report**

This report provides pin-point analysis for changing competitive dynamics

It provides a forward looking perspective on different factors driving or restraining market growth

It provides a six-year forecast assessed on the basis of how the market is predicted to grow

It helps in understanding the key product segments and their future

It provides pin point analysis of changing competition dynamics and keeps you ahead of competitors

It helps in making informed business decisions by having complete insights of market and by making in-depth analysis of market segments

## Contents

### China Proton Exchange Membrane Fuel Cells(PEMFC) Industry Market Analysis & Forecast 2018-2023

#### **CHAPTER 1 PROTON EXCHANGE MEMBRANE FUEL CELLS(PEMFC) MARKET OVERVIEW**

- 1.1 Product Overview and Scope of Proton Exchange Membrane Fuel Cells(PEMFC)
- 1.2 Proton Exchange Membrane Fuel Cells(PEMFC) Market Segmentation by Type
  - 1.2.1 China Production Market Share of Proton Exchange Membrane Fuel Cells(PEMFC) by Compressed Gaseous Hydrogen 2017
  - 1.2.1 Compressed Gaseous Hydrogen
  - 1.2.2 Cryogenic Liquid Hydrogen
  - 1.2.3 Others
- 1.3 Proton Exchange Membrane Fuel Cells(PEMFC) Market Segmentation by Application
  - 1.3.1 Proton Exchange Membrane Fuel Cells(PEMFC) Consumption Market Share by Application in 2017
  - 1.3.2 Automotive
  - 1.3.3 Space Shuttle
  - 1.3.4 Others
- 1.4 China Market Size Sales (Value) and Revenue (Volume) of Proton Exchange Membrane Fuel Cells(PEMFC) (2013-2023)

#### **CHAPTER 2 CHINA ECONOMIC IMPACT ON PROTON EXCHANGE MEMBRANE FUEL CELLS(PEMFC) INDUSTRY**

- 2.1 China Macroeconomic Environment Analysis
  - 2.1.1 China Macroeconomic Analysis
  - 2.1.2 China Macroeconomic Environment Development Trend
- 2.2 Effects to Proton Exchange Membrane Fuel Cells(PEMFC) Industry

#### **CHAPTER 3 CHINA PROTON EXCHANGE MEMBRANE FUEL CELLS(PEMFC) MARKET COMPETITION BY MANUFACTURERS**

- 3.1 China Proton Exchange Membrane Fuel Cells(PEMFC) Production and Share by Manufacturers (2016 and 2017)
- 3.2 China Proton Exchange Membrane Fuel Cells(PEMFC) Revenue and Share by

Manufacturers (2016 and 2017)

3.3 China Proton Exchange Membrane Fuel Cells(PEMFC) Average Price by Manufacturers (2016 and 2017)

3.4 Manufacturers Proton Exchange Membrane Fuel Cells(PEMFC) Manufacturing Base Distribution, Production Area and Product Type

3.5 Proton Exchange Membrane Fuel Cells(PEMFC) Market Competitive Situation and Trends

3.5.1 Proton Exchange Membrane Fuel Cells(PEMFC) Market Concentration Rate

3.5.2 Proton Exchange Membrane Fuel Cells(PEMFC) Market Share of Top 3 and Top 5 Manufacturers

3.5.3 Mergers & Acquisitions, Expansion

## **CHAPTER 4 CHINA PROTON EXCHANGE MEMBRANE FUEL CELLS(PEMFC) CAPACITY, PRODUCTION, REVENUE, CONSUMPTION, EXPORT AND IMPORT (2013-2018)**

4.1 China Proton Exchange Membrane Fuel Cells(PEMFC) Capacity, Production and Growth (2013-2018)

4.2 China Proton Exchange Membrane Fuel Cells(PEMFC) Revenue and Growth (2013-2018)

4.3 China Proton Exchange Membrane Fuel Cells(PEMFC) Production, Consumption, Export and Import (2013-2018)

## **CHAPTER 5 CHINA PROTON EXCHANGE MEMBRANE FUEL CELLS(PEMFC) PRODUCTION, REVENUE (VALUE), PRICE TREND BY TYPE**

5.1 China Proton Exchange Membrane Fuel Cells(PEMFC) Production and Market Share by Type (2013-2018)

5.2 China Proton Exchange Membrane Fuel Cells(PEMFC) Revenue and Market Share by Type (2013-2018)

5.3 China Proton Exchange Membrane Fuel Cells(PEMFC) Price by Type (2013-2018)

5.4 China Proton Exchange Membrane Fuel Cells(PEMFC) Production Growth by Type (2013-2018)

## **CHAPTER 6 CHINA PROTON EXCHANGE MEMBRANE FUEL CELLS(PEMFC) MARKET ANALYSIS BY APPLICATION**

6.1 China Proton Exchange Membrane Fuel Cells(PEMFC) Consumption and Market Share by Application (2013-2018)

6.2 China Proton Exchange Membrane Fuel Cells(PEMFC) Consumption Growth Rate by Application (2013-2018)

6.3 Market Drivers and Opportunities

6.3.1 Potential Applications

6.3.2 Emerging Markets/Countries

## **CHAPTER 7 CHINA PROTON EXCHANGE MEMBRANE FUEL CELLS(PEMFC) MANUFACTURERS ANALYSIS**

7.1 Protonex

7.1.1 Company Basic Information, Manufacturing Base and Competitors

7.1.2 Product Type, Application and Specification

7.1.3 Production, Revenue, Price and Gross Margin (2013-2018)

7.1.4 Business Overview

7.2 Plug-Power

7.2.1 Company Basic Information, Manufacturing Base and Competitors

7.2.2 Product Type, Application and Specification

7.2.3 Production, Revenue, Price and Gross Margin (2013-2018)

7.2.4 Business Overview

7.3 H-Power

7.3.1 Company Basic Information, Manufacturing Base and Competitors

7.3.2 Product Type, Application and Specification

7.3.3 Production, Revenue, Price and Gross Margin (2013-2018)

7.3.4 Business Overview

7.4 Fuelcell Energy

7.4.1 Company Basic Information, Manufacturing Base and Competitors

7.4.2 Product Type, Application and Specification

7.4.3 Production, Revenue, Price and Gross Margin (2013-2018)

7.4.4 Business Overview

7.5 Hydrogenics

7.5.1 Company Basic Information, Manufacturing Base and Competitors

7.5.2 Product Type, Application and Specification

7.5.3 Production, Revenue, Price and Gross Margin (2013-2018)

7.5.4 Business Overview

7.6 Nedstack PEM Fuel Cells

7.6.1 Company Basic Information, Manufacturing Base and Competitors

7.6.2 Product Type, Application and Specification

7.6.3 Production, Revenue, Price and Gross Margin (2013-2018)

7.6.4 Business Overview

## 7.7 Alteryx Systems

7.7.1 Company Basic Information, Manufacturing Base and Competitors

7.7.2 Product Type, Application and Specification

7.7.3 Production, Revenue, Price and Gross Margin (2013-2018)

7.7.4 Business Overview

## 7.8 Shangdong Dongyue

7.8.1 Company Basic Information, Manufacturing Base and Competitors

7.8.2 Product Type, Application and Specification

7.8.3 Production, Revenue, Price and Gross Margin (2013-2018)

7.8.4 Business Overview

## 7.9 Sigma-Aldrich

7.9.1 Company Basic Information, Manufacturing Base and Competitors

7.9.2 Product Type, Application and Specification

7.9.3 Production, Revenue, Price and Gross Margin (2013-2018)

7.9.4 Business Overview

...

## **CHAPTER 8 PROTON EXCHANGE MEMBRANE FUEL CELLS(PEMFC) MANUFACTURING COST ANALYSIS**

### 8.1 Proton Exchange Membrane Fuel Cells(PEMFC) Key Raw Materials Analysis

8.1.1 Key Raw Materials

8.1.2 Price Trend of Key Raw Materials

8.1.3 Key Suppliers of Raw Materials

8.1.4 Market Concentration Rate of Raw Materials

### 8.2 Proportion of Manufacturing Cost Structure

8.2.1 Raw Materials

8.2.2 Labor Cost

8.2.3 Manufacturing Expenses

### 8.3 Manufacturing Process Analysis of Proton Exchange Membrane Fuel Cells(PEMFC)

## **CHAPTER 9 INDUSTRIAL CHAIN, SOURCING STRATEGY AND DOWNSTREAM BUYERS**

### 9.1 Proton Exchange Membrane Fuel Cells(PEMFC) Industrial Chain Analysis

### 9.2 Upstream Raw Materials Sourcing

### 9.3 Raw Materials Sources of Proton Exchange Membrane Fuel Cells(PEMFC) Major Manufacturers in 2016

### 9.4 Downstream Buyers

## **CHAPTER 10 MARKETING STRATEGY ANALYSIS, DISTRIBUTORS/TRADERS**

- 10.1 Marketing Channel
  - 10.1.1 Direct Marketing
  - 10.1.2 Indirect Marketing
  - 10.1.3 Marketing Channel Development Trend
- 10.2 Market Positioning
  - 10.2.1 Pricing Strategy
  - 10.2.2 Brand Strategy
  - 10.2.3 Target Client
- 10.3 Distributors/Traders List

## **CHAPTER 11 MARKET EFFECT FACTORS ANALYSIS**

- 11.1 Technology Progress/Risk
  - 11.1.1 Substitutes Threat
  - 11.1.2 Technology Progress in Related Industry
- 11.2 Consumer Needs/Customer Preference Change
- 11.3 Economic/Political Environmental Change

## **CHAPTER 12 CHINA PROTON EXCHANGE MEMBRANE FUEL CELLS(PEMFC) MARKET FORECAST (2018-2023)**

- 12.1 China Proton Exchange Membrane Fuel Cells(PEMFC) Production, Revenue Forecast (2018-2023)
- 12.2 China Proton Exchange Membrane Fuel Cells(PEMFC) Production, Consumption Forecast by Regions (2018-2023)
- 12.3 China Proton Exchange Membrane Fuel Cells(PEMFC) Production Forecast by Type (2018-2023)
- 12.4 China Proton Exchange Membrane Fuel Cells(PEMFC) Consumption Forecast by Application (2018-2023)
- 12.5 Proton Exchange Membrane Fuel Cells(PEMFC) Price Forecast (2018-2023)

## **CHAPTER 13 APPENDIX**



## List Of Tables

### LIST OF TABLES AND FIGURES

Figure Picture of Proton Exchange Membrane Fuel Cells(PEMFC)

Figure China Production Market Share of Proton Exchange Membrane Fuel Cells(PEMFC) by Compressed Gaseous Hydrogen 2017

Table Proton Exchange Membrane Fuel Cells(PEMFC) Consumption Market Share by Application in 2017

Figure China Proton Exchange Membrane Fuel Cells(PEMFC) Revenue (Million USD) and Growth Rate (2013-2023)

Table China Proton Exchange Membrane Fuel Cells(PEMFC) Capacity of Key Manufacturers (2016 and 2017)

Table China Proton Exchange Membrane Fuel Cells(PEMFC) Capacity Market Share of Key Manufacturers (2016 and 2017)

Figure China Proton Exchange Membrane Fuel Cells(PEMFC) Capacity of Key Manufacturers in 2016

Figure China Proton Exchange Membrane Fuel Cells(PEMFC) Capacity of Key Manufacturers in 2017

Table China Proton Exchange Membrane Fuel Cells(PEMFC) Production of Key Manufacturers (2016 and 2017)

Table China Proton Exchange Membrane Fuel Cells(PEMFC) Production Share by Manufacturers (2016 and 2017)

Figure 2015 Proton Exchange Membrane Fuel Cells(PEMFC) Production Share by Manufacturers

Figure 2016 Proton Exchange Membrane Fuel Cells(PEMFC) Production Share by Manufacturers

Table China Proton Exchange Membrane Fuel Cells(PEMFC) Revenue (Million USD) by Manufacturers (2016 and 2017)

Table China Proton Exchange Membrane Fuel Cells(PEMFC) Revenue Share by Manufacturers (2016 and 2017)

Table 2015 China Proton Exchange Membrane Fuel Cells(PEMFC) Revenue Share by Manufacturers

Table 2016 China Proton Exchange Membrane Fuel Cells(PEMFC) Revenue Share by Manufacturers

Table China Market Proton Exchange Membrane Fuel Cells(PEMFC) Average Price of Key Manufacturers (2016 and 2017)

Figure China Market Proton Exchange Membrane Fuel Cells(PEMFC) Average Price of Key Manufacturers in 2016



Table Manufacturers Proton Exchange Membrane Fuel Cells(PEMFC) Manufacturing Base Distribution and Sales Area

Table Manufacturers Proton Exchange Membrane Fuel Cells(PEMFC) Product Type

Figure Proton Exchange Membrane Fuel Cells(PEMFC) Market Share of Top 3 Manufacturers

Figure Proton Exchange Membrane Fuel Cells(PEMFC) Market Share of Top 5 Manufacturers

Table Church & Dwight Basic Information, Manufacturing Base, Sales Area and Its Competitors

Table Church & Dwight Proton Exchange Membrane Fuel Cells(PEMFC) Capacity, Production, Revenue, Price and Gross Margin (2013-2018)

Figure Church & Dwight Proton Exchange Membrane Fuel Cells(PEMFC) Market Share (2013-2018)

Table Protonex Basic Information, Manufacturing Base, Production Area and Its Competitors

Table Protonex Proton Exchange Membrane Fuel Cells(PEMFC) Production, Revenue, Price and Gross Margin (2013-2018)

Table Protonex Proton Exchange Membrane Fuel Cells(PEMFC) Market Share (2013-2018)

Table Plug-Power Basic Information, Manufacturing Base, Production Area and Its Competitors

Table Plug-Power Proton Exchange Membrane Fuel Cells(PEMFC) Production, Revenue, Price and Gross Margin (2013-2018)

Table Plug-Power Proton Exchange Membrane Fuel Cells(PEMFC) Market Share (2013-2018)

Table H-Power Basic Information, Manufacturing Base, Production Area and Its Competitors

Table H-Power Proton Exchange Membrane Fuel Cells(PEMFC) Production, Revenue, Price and Gross Margin (2013-2018)

Table H-Power Proton Exchange Membrane Fuel Cells(PEMFC) Market Share (2013-2018)

Table Fuelcell Energy Basic Information, Manufacturing Base, Production Area and Its Competitors

Table Fuelcell Energy Proton Exchange Membrane Fuel Cells(PEMFC) Production, Revenue, Price and Gross Margin (2013-2018)

Table Fuelcell Energy Proton Exchange Membrane Fuel Cells(PEMFC) Market Share (2013-2018)

Table Hydrogenics Basic Information, Manufacturing Base, Production Area and Its Competitors

Table Hydrogenics Proton Exchange Membrane Fuel Cells(PEMFC) Production, Revenue, Price and Gross Margin (2013-2018)

Table Hydrogenics Proton Exchange Membrane Fuel Cells(PEMFC) Market Share (2013-2018)

Table Nedstack PEM Fuel Cells Basic Information, Manufacturing Base, Production Area and Its Competitors

Table Nedstack PEM Fuel Cells Proton Exchange Membrane Fuel Cells(PEMFC) Production, Revenue, Price and Gross Margin (2013-2018)

Table Nedstack PEM Fuel Cells Proton Exchange Membrane Fuel Cells(PEMFC) Market Share (2013-2018)

Table Altery Systems Basic Information, Manufacturing Base, Production Area and Its Competitors

Table Altery Systems Proton Exchange Membrane Fuel Cells(PEMFC) Production, Revenue, Price and Gross Margin (2013-2018)

Table Altery Systems Proton Exchange Membrane Fuel Cells(PEMFC) Market Share (2013-2018)

Table Shangdong Dongyue Basic Information, Manufacturing Base, Production Area and Its Competitors

Table Shangdong Dongyue Proton Exchange Membrane Fuel Cells(PEMFC) Production, Revenue, Price and Gross Margin (2013-2018)

Table Shangdong Dongyue Proton Exchange Membrane Fuel Cells(PEMFC) Market Share (2013-2018)

Table Sigma-Aldrich Basic Information, Manufacturing Base, Production Area and Its Competitors

Table Sigma-Aldrich Proton Exchange Membrane Fuel Cells(PEMFC) Production, Revenue, Price and Gross Margin (2013-2018)

Table Sigma-Aldrich Proton Exchange Membrane Fuel Cells(PEMFC) Market Share (2013-2018)

Figure Production Revenue Share of Proton Exchange Membrane Fuel Cells(PEMFC) by Type (2013-2018)

Figure 2015 Revenue Market Share of Proton Exchange Membrane Fuel Cells(PEMFC) by Type

Table China Proton Exchange Membrane Fuel Cells(PEMFC) Price by Type (2013-2018)

Figure China Proton Exchange Membrane Fuel Cells(PEMFC) Production Growth by Type (2013-2018)

Table China Proton Exchange Membrane Fuel Cells(PEMFC) Consumption by Application (2013-2018)

Table China Proton Exchange Membrane Fuel Cells(PEMFC) Consumption Market

Share by Application (2013-2018)

Figure China Proton Exchange Membrane Fuel Cells(PEMFC) Consumption Market

Share by Application in 2016

Table China Proton Exchange Membrane Fuel Cells(PEMFC) Consumption Growth Rate by Application (2013-2018)

Figure China Proton Exchange Membrane Fuel Cells(PEMFC) Consumption Growth Rate by Application (2013-2018)

Table Production Base and Market Concentration Rate of Raw Material

Figure Price Trend of Key Raw Materials

Table Key Suppliers of Raw Materials

Figure Manufacturing Cost Structure of Proton Exchange Membrane Fuel Cells(PEMFC)

Figure Manufacturing Process Analysis of Proton Exchange Membrane Fuel Cells(PEMFC)

Figure Proton Exchange Membrane Fuel Cells(PEMFC) Industrial Chain Analysis

Table Raw Materials Sources of Proton Exchange Membrane Fuel Cells(PEMFC) Major Manufacturers in 2016

Table Major Buyers of Proton Exchange Membrane Fuel Cells(PEMFC)

Table Distributors/Traders List

Figure China Proton Exchange Membrane Fuel Cells(PEMFC) Capacity, Production and Growth Rate Forecast (2018-2023)

Figure China Proton Exchange Membrane Fuel Cells(PEMFC) Revenue and Growth Rate Forecast (2018-2023)

Table China Proton Exchange Membrane Fuel Cells(PEMFC) Production, Import, Export and Consumption Forecast (2018-2023)

Table China Proton Exchange Membrane Fuel Cells(PEMFC) Production Forecast by Type (2018-2023)

Table China Proton Exchange Membrane Fuel Cells(PEMFC) Consumption Forecast by Application (2018-2023)

## **COMPANIES MENTIONED**

Protonex Plug-Power H-Power Fuelcell Energy Hydrogenics Nedstack PEM Fuel Cells  
Alteryg Systems Shangdong Dongyue Sigma-Aldrich

## I would like to order

Product name: China Proton Exchange Membrane Fuel Cells(PEMFC) Industry Market Analysis & Forecast 2018-2023

Product link: <https://marketpublishers.com/r/CBC8B68BA4BEN.html>

Price: US\$ 3,120.00 (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/CBC8B68BA4BEN.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

