

# Global Proton Exchange Membrane (PEM) Market Growth 2025-2031

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## Abstracts

The global Proton Exchange Membrane (PEM) market size is predicted to grow from US\$ 1043 million in 2025 to US\$ 1249 million in 2031; it is expected to grow at a CAGR of 3.0% from 2025 to 2031.

The impact of the latest U.S. tariff measures and the corresponding policy responses from countries worldwide on market competitiveness, regional economic performance, and supply chain configurations will be comprehensively evaluated in this report.

Proton-exchange membrane fuel cells, also known as polymer electrolyte membrane (PEM) fuel cells (PEMFC), are a type of fuel cell being developed mainly for transport applications, as well as for stationary fuel-cell applications and portable fuel-cell applications. Their distinguishing features include lower temperature/pressure ranges (50 to 100 °C) and a special proton-conducting polymer electrolyte membrane. PEMFCs generate electricity and operate on the opposite principle to PEM electrolysis, which consumes electricity. They are a leading candidate to replace the aging alkaline fuel-cell technology, which was used in the Space Shuttle.

The global key Proton Exchange Membrane Fuel Cell (PEMFC) manufacturers include Plug Power, Ballard, Nuvera Fuel Cells, Hydrogenics, Sunrise Power, Panasonic, Vision Group, Nedstack PEM Fuel Cells, Shenli Hi-Tech, Alteryx Systems, Horizon Fuel Cell Technologies, Foresightetc and etc.

LP Information, Inc. (LPI) ' newest research report, the "Proton Exchange Membrane (PEM) Industry Forecast" looks at past sales and reviews total world Proton Exchange Membrane (PEM) sales in 2024, providing a comprehensive analysis by region and market sector of projected Proton Exchange Membrane (PEM) sales for 2025 through

2031. With Proton Exchange Membrane (PEM) sales broken down by region, market sector and sub-sector, this report provides a detailed analysis in US\$ millions of the world Proton Exchange Membrane (PEM) industry.

This Insight Report provides a comprehensive analysis of the global Proton Exchange Membrane (PEM) landscape and highlights key trends related to product segmentation, company formation, revenue, and market share, latest development, and M&A activity. This report also analyzes the strategies of leading global companies with a focus on Proton Exchange Membrane (PEM) portfolios and capabilities, market entry strategies, market positions, and geographic footprints, to better understand these firms' unique position in an accelerating global Proton Exchange Membrane (PEM) market.

This Insight Report evaluates the key market trends, drivers, and affecting factors shaping the global outlook for Proton Exchange Membrane (PEM) and breaks down the forecast by Type, by Application, geography, and market size to highlight emerging pockets of opportunity. With a transparent methodology based on hundreds of bottom-up qualitative and quantitative market inputs, this study forecast offers a highly nuanced view of the current state and future trajectory in the global Proton Exchange Membrane (PEM).

This report presents a comprehensive overview, market shares, and growth opportunities of Proton Exchange Membrane (PEM) market by product type, application, key manufacturers and key regions and countries.

### **Segmentation by Type:**

Polyaromatic Polymers Membrane

Partially Fluorinated Polymers Membrane

### **Segmentation by Application:**

Portable Power Supply

Power of the Vehicles

Decentralized Power Station

Others

**This report also splits the market by region:**

Americas

United States

Canada

Mexico

Brazil

APAC

China

Japan

Korea

Southeast Asia

India

Australia

Europe

Germany

France

UK

Italy

Russia

Middle East & Africa

Egypt

South Africa

Israel

Turkey

GCC Countries

The below companies that are profiled have been selected based on inputs gathered from primary experts and analysing the company's coverage, product portfolio, its market penetration.

Demirdokum

Electrochem

ReliOn

Ballard Power Systems

UTC Power (UTC Fuel Cells)

PEMEAS USA

E-TEK Inc

DuPont Fuel Cells

3M

Johnson Matthey

WL Gore

Hydrogenics

Lynntech

NedStack

Giner

Plug Power

Atlantic Fuel Cell

NuVant Systems

Vestel Elektronik

### **Key Questions Addressed in this Report**

What is the 10-year outlook for the global Proton Exchange Membrane (PEM) market?

What factors are driving Proton Exchange Membrane (PEM) market growth, globally and by region?

Which technologies are poised for the fastest growth by market and region?

How do Proton Exchange Membrane (PEM) market opportunities vary by end market size?

How does Proton Exchange Membrane (PEM) break out by Type, by Application?

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