

Global Proton Exchange Membrane Fuel Cell (PEMFC) Market Growth 2023-2029

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Abstracts

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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.

LPI (LP Information)' newest research report, the “Proton Exchange Membrane Fuel Cell (PEMFC) Industry Forecast” looks at past sales and reviews total world Proton Exchange Membrane Fuel Cell (PEMFC) sales in 2022, providing a comprehensive analysis by region and market sector of projected Proton Exchange Membrane Fuel Cell (PEMFC) sales for 2023 through 2029. With Proton Exchange Membrane Fuel Cell (PEMFC) 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 Fuel Cell (PEMFC) industry.

This Insight Report provides a comprehensive analysis of the global Proton Exchange Membrane Fuel Cell (PEMFC) 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 Fuel Cell (PEMFC) 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 Fuel Cell (PEMFC) market.

This Insight Report evaluates the key market trends, drivers, and affecting factors shaping the global outlook for Proton Exchange Membrane Fuel Cell (PEMFC) 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 Fuel Cell (PEMFC).

The global Proton Exchange Membrane Fuel Cell (PEMFC) market size is projected to grow from US\$ 1038.9 million in 2022 to US\$ 1282.1 million in 2029; it is expected to grow at a CAGR of 1282.1 from 2023 to 2029.

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, Alteryg Systems, Horizon Fuel Cell Technologies, Foresightetc and etc.

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

Market Segmentation:

Segmentation by type

50 KW

75 KW

Others

Segmentation by application

Stationary

Transportation

Portable

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 analyzing the company's coverage, product portfolio, its market penetration.

Fuel Cell Energy, Inc.

Ballard Power Systems

Hydrogenics Corporation

SFC Energy AG

Nedstack Fuel Cell Technology B.V.

Bloom Energy

Doosan Fuel Cell America, Inc.

Ceres Power Holdings Plc

Plug Power, Inc.

Nuvera Fuel Cells LLC

Key Questions Addressed in this Report

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

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

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

How do Proton Exchange Membrane Fuel Cell (PEMFC) market opportunities vary by end market size?

How does Proton Exchange Membrane Fuel Cell (PEMFC) break out type, application?

What are the influences of COVID-19 and Russia-Ukraine war?

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