

# Global PEM Fuel Cells Backup Power Units Market 2023 by Manufacturers, Regions, Type and Application, Forecast to 2029

<https://marketpublishers.com/r/GDD86635C9EAEN.html>

Date: July 2024

Pages: 103

Price: US\$ 3,480.00 (Single User License)

ID: GDD86635C9EAEN

## Abstracts

According to our (Global Info Research) latest study, the global PEM Fuel Cells Backup Power Units market size was valued at USD 105.3 million in 2022 and is forecast to a readjusted size of USD 606.3 million by 2029 with a CAGR of 28.4% during review period. The influence of COVID-19 and the Russia-Ukraine War were considered while estimating market sizes.

Hydrogen fuel cell backup power is the modern way to ensure an uninterrupted and decentralized supply of electricity. A stationary fuel cell, commonly referred to as a hydrogen power generator, is used to produce electricity during power outages or other emergency situations. These fuel cell backup power systems are designed to provide a reliable and efficient source of electricity for critical loads, such as hospitals, data centers, and other critical infrastructures.

Proton-exchange membrane fuel cells (PEMFC), also known as polymer electrolyte membrane (PEM) fuel cells, have distinguishing features include lower temperature/pressure ranges (50 to 100 °C) and a special proton-conducting polymer electrolyte membrane. Polymer Electrolyte Membrane (PEM) Fuel Cells Backup Power Units is a fuel cell stack + intelligent control system + air and heat dissipation system integrated into a power generation unit designed to provide convenient power supply in emergency situations or mobile situations without mains power.

This report is a detailed and comprehensive analysis for global PEM Fuel Cells Backup Power Units market. Both quantitative and qualitative analyses are presented by manufacturers, by region & country, by Type and by Application. As the market is constantly changing, this report explores the competition, supply and demand trends, as

well as key factors that contribute to its changing demands across many markets. Company profiles and product examples of selected competitors, along with market share estimates of some of the selected leaders for the year 2023, are provided.

#### Key Features:

Global PEM Fuel Cells Backup Power Units market size and forecasts, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (US\$/Unit), 2018-2029

Global PEM Fuel Cells Backup Power Units market size and forecasts by region and country, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (US\$/Unit), 2018-2029

Global PEM Fuel Cells Backup Power Units market size and forecasts, by Type and by Application, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (US\$/Unit), 2018-2029

Global PEM Fuel Cells Backup Power Units market shares of main players, shipments in revenue (\$ Million), sales quantity (K Units), and ASP (US\$/Unit), 2018-2023

#### The Primary Objectives in This Report Are:

To determine the size of the total market opportunity of global and key countries

To assess the growth potential for PEM Fuel Cells Backup Power Units

To forecast future growth in each product and end-use market

To assess competitive factors affecting the marketplace

This report profiles key players in the global PEM Fuel Cells Backup Power Units 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 Plug Power, Alteryx, Ballard Power System, Toshiba ESS and GenCell, etc.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals, COVID-19 and Russia-Ukraine War Influence.

## Market Segmentation

PEM Fuel Cells Backup Power Units market is split by Type and by Application. For the period 2018-2029, the growth among segments provides accurate calculations and forecasts for consumption value by Type, and by Application in terms of volume and value. This analysis can help you expand your business by targeting qualified niche markets.

### Market segment by Type

Stationary

Mobile

### Market segment by Application

Telecommunication

Data Centers

Hospital

Public Infrastructure

Others

### Major players covered

Plug Power

Altergy

Ballard Power System

Toshiba ESS

GenCell

Nedstack

ALSTOM Hydrogene

Pearl Hydrogen

Sinosynergy

Suzhou Foresight Energy

Wuhan Himalaya Optoelectronics Technology

Zhejiang Neksonpower

Market segment by region, regional analysis covers

North America (United States, Canada and Mexico)

Europe (Germany, France, United Kingdom, Russia, Italy, and Rest of Europe)

Asia-Pacific (China, Japan, Korea, India, Southeast Asia, and Australia)

South America (Brazil, Argentina, Colombia, and Rest of South America)

Middle East & Africa (Saudi Arabia, UAE, Egypt, South Africa, and Rest of Middle East & Africa)

The content of the study subjects, includes a total of 15 chapters:

Chapter 1, to describe PEM Fuel Cells Backup Power Units product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of PEM Fuel Cells Backup Power Units, with price, sales, revenue and global market share of PEM Fuel Cells Backup Power Units from 2018 to 2023.

Chapter 3, the PEM Fuel Cells Backup Power Units competitive situation, sales quantity, revenue and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the PEM Fuel Cells Backup Power Units breakdown data are shown at the regional level, to show the sales quantity, consumption value and growth by regions, from 2018 to 2029.

Chapter 5 and 6, to segment the sales by Type and application, with sales market share and growth rate by type, application, from 2018 to 2029.

Chapter 7, 8, 9, 10 and 11, to break the sales data at the country level, with sales quantity, consumption value and market share for key countries in the world, from 2017 to 2022. and PEM Fuel Cells Backup Power Units market forecast, by regions, type and application, with sales and revenue, from 2024 to 2029.

Chapter 12, market dynamics, drivers, restraints, trends, Porters Five Forces analysis, and Influence of COVID-19 and Russia-Ukraine War.

Chapter 13, the key raw materials and key suppliers, and industry chain of PEM Fuel Cells Backup Power Units.

Chapter 14 and 15, to describe PEM Fuel Cells Backup Power Units sales channel, distributors, customers, research findings and conclusion.

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