

Global High Temperature PEM Fuel Cell (HT-PEMFC) Supply, Demand and Key Producers, 2023-2029

<https://marketpublishers.com/r/G576D4B1FD6FEN.html>

Date: September 2023

Pages: 79

Price: US\$ 4,480.00 (Single User License)

ID: G576D4B1FD6FEN

Abstracts

The global High Temperature PEM Fuel Cell (HT-PEMFC) market size is expected to reach \$ million by 2029, rising at a market growth of % CAGR during the forecast period (2023-2029).

Proton exchange membrane fuel cell (PEMFC), also known as solid polymer electrolyte fuel cell, is a fuel cell that uses hydrogen-containing fuel and air to generate electricity and heat. Usually, the operating temperature of PEMFC is between 50 °C and 100 °C, without pressurization or decompression. The polymer proton exchange membrane is used as the conducting medium without any chemical liquid, and pure water and heat are generated after power generation. High-temperature proton exchange membrane fuel cells (HT-PEMFCs) operate at temperatures between 100 and 200 degrees, which gives them key advantages over ordinary LT-PEMFCs.

This report studies the global High Temperature PEM Fuel Cell (HT-PEMFC) production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for High Temperature PEM Fuel Cell (HT-PEMFC), and provides market size (US\$ million) and Year-over-Year (YoY) Growth, considering 2022 as the base year. This report explores demand trends and competition, as well as details the characteristics of High Temperature PEM Fuel Cell (HT-PEMFC) that contribute to its increasing demand across many markets.

Highlights and key features of the study

Global High Temperature PEM Fuel Cell (HT-PEMFC) total production and demand,

2018-2029, (KWh)

Global High Temperature PEM Fuel Cell (HT-PEMFC) total production value, 2018-2029, (USD Million)

Global High Temperature PEM Fuel Cell (HT-PEMFC) production by region & country, production, value, CAGR, 2018-2029, (USD Million) & (KWh)

Global High Temperature PEM Fuel Cell (HT-PEMFC) consumption by region & country, CAGR, 2018-2029 & (KWh)

U.S. VS China: High Temperature PEM Fuel Cell (HT-PEMFC) domestic production, consumption, key domestic manufacturers and share

Global High Temperature PEM Fuel Cell (HT-PEMFC) production by manufacturer, production, price, value and market share 2018-2023, (USD Million) & (KWh)

Global High Temperature PEM Fuel Cell (HT-PEMFC) production by Type, production, value, CAGR, 2018-2029, (USD Million) & (KWh)

Global High Temperature PEM Fuel Cell (HT-PEMFC) production by Application production, value, CAGR, 2018-2029, (USD Million) & (KWh).

This reports profiles key players in the global High Temperature PEM Fuel Cell (HT-PEMFC) 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 Advent Technologies, Blue World Technologies and Zhongke Jiahong New Energy, etc.

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

Stakeholders would have ease in decision-making through various strategy matrices used in analyzing the World High Temperature PEM Fuel Cell (HT-PEMFC) market.

Detailed Segmentation:

Each section contains quantitative market data including market by value (US\$ Millions), volume (production, consumption) & (KWh) and average price (US\$/Wh) by

manufacturer, by Type, and by Application. Data is given for the years 2018-2029 by year with 2022 as the base year, 2023 as the estimate year, and 2024-2029 as the forecast year.

Global High Temperature PEM Fuel Cell (HT-PEMFC) Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

Global High Temperature PEM Fuel Cell (HT-PEMFC) Market, Segmentation by Type

Methanol Fuel Cell

Hydrogen Fuel Cell

Global High Temperature PEM Fuel Cell (HT-PEMFC) Market, Segmentation by Application

New Energy Vehicle

Ship

Military Equipment

Industrial

Others

Companies Profiled:

Advent Technologies

Blue World Technologies

Zhongke Jiahong New Energy

Key Questions Answered

1. How big is the global High Temperature PEM Fuel Cell (HT-PEMFC) market?
2. What is the demand of the global High Temperature PEM Fuel Cell (HT-PEMFC) market?
3. What is the year over year growth of the global High Temperature PEM Fuel Cell (HT-PEMFC) market?
4. What is the production and production value of the global High Temperature PEM Fuel Cell (HT-PEMFC) market?
5. Who are the key producers in the global High Temperature PEM Fuel Cell (HT-PEMFC) market?
6. What are the growth factors driving the market demand?

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Figure 52. High Temperature PEM Fuel Cell (HT-PEMFC) Sales Channels, Direct Sales, and Distribution

Figure 53. Methodology

Figure 54. Research Process and Data Source

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