

2018 Top 5 Direct Methanol Fuel Cell (DMFC) Players in North America, Europe, Asia-Pacific, South America, Middle East and Africa

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Abstracts

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The direct methanol fuel cell (DMFC) is a relatively recent addition to the suite of fuel cell technologies; it was invented and developed in the 1990s by researchers at several institutions in the United States, including NASA and the Jet Propulsion Laboratory. During decades of research, especially around 2010, many high tech companies like NEC, UltraCell they all have dedicated a large mass of R&D source into DMFC, and they all exhibited their prototype of their own DMFC. But as the fact, there are only two companies focus on commercial productions. This report only study the DMFC market will full-time commercial production participants. DMFCs can be seen as one of the most prominent fuel cell technology to be used as a generator and production device in small portable applications due to its high energy storage density fuel, fast refuelling and capability to refuel during operation.

The Direct Methanol Fuel Cell (DMFC) is a subset of the Proton Exchange Membrane (PEM) fuel cell technology. PEM fuel cells have a number of features and advantages that ensure their usage in a variety of power applications including portable and transportation systems to large-scale stationary power systems for buildings and distributed generation. The commercialization of DMFC-systems is driven by consumer demands and desires for secure and reliable power sources that operate alone or as a hybrid energy system combining the fuel cell technology with existing advanced battery technologies.

At present, in developed countries, the Direct Methanol Fuel Cell industry is generally at a more advanced level. The world's large enterprises are mainly concentrated in USA and Europe. The DMFC market is monopolized by SFC Energy AG and Oorja Protonics. There are other company like Fujikura, Hitachi, Ltd, Toshiba, Sony, MTI

Micro Fuel Cells Inc, NEC Corp, Neah Power Systems which are under developing in the industry but no mass production.

Over the next five years, LPI(LP Information) projects that Direct Methanol Fuel Cell (DMFC) will register a 7.2% CAGR in terms of revenue, reach US\$ 140 million by 2023, from US\$ 100 million in 2017.

This report studies the global market, especially in North America, Europe, Asia-Pacific, South America, Middle East and Africa, focuses on the top 5 players in each region, with sales, price, revenue and market share from 2013 to 2018, the top players:

SFC Energy AG

Oorja Protonics

Market Segment by Regions, this report splits Global into several key Regions, with sales, revenue, market share of top players in these regions, from 2013 to 2018 (forecast), like

North America (United States, Canada and Mexico)

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

Europe (Germany, UK, France, Italy and Russia etc.)

South America (Brazil, Chile, Peru and Argentina)

Middle East and Africa (Egypt, South Africa, Saudi Arabia)

Split by Product Types, with sales, revenue, price, market share of each type, can be divided into

?1 KW

1 KW-5 KW

Split by applications, this report focuses on sales, market share and growth rate in each application, can be divided into

Defense&Security

Mobility&Industrial Application

Leisure

Materials Handling Equipment

Telecommunications

Other

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