
Description:
About PEMFC

PEMFC are devices that generate electricity through an electrochemical process involving oxidation of electrolytes placed between the anode and the cathode. Fuel cells are generally categorized based on the type of electrolyte used. PEMFC use an acidic water-based polymer membrane with platinum-based electrodes. It operates at low temperatures and caters effectively to dynamic power requirements. The chemical source of PEMFC, which is hydrogen, needs to be extremely pure because of its operating temperature and use of precious metal-based electrodes. PEMFC is a fuel-cell technology that is used extensively in light duty and material handling vehicles.

The analysts forecast the global PEMFC market to grow at a CAGR of 26.67 in terms of unit shipment and at 19.74 percent in terms of MW shipment over the period 2014-2019.

Covered in this Report
The report, Global PEMFC Market 2015-2019, has been prepared based on an in-depth market analysis with inputs from industry experts. The report covers the forecast of the global PEMFC market and its growth prospects in the coming years. The report also includes segmentation on the basis of application and geography. The report also includes a discussion of the key vendors operating in this market.

Key Vendors
- Ballard Power Systems
- Fuelcell Energy
- Hydrogenics
- Plug Power
- Protonex

Other Prominent Vendors
- Altergy Systems
- ElectroChem
- FKK
- Horizon Fuel Cell Technologies
- Johnson Matthey Fuel Cells
- Microgrid Solar
- Nedstack PEM Fuel Cells
- Nuvera Fuel Cells
- Oorja Protonics
- Relion
- SerEnergy
- Shanghai EverPower Technologies
- Sunrise Power
- Toho Gas

Market Drivers
- Abundant energy sources and emerging applications
- For a full, detailed list, view this report

Market Challenges
- Functional issues
- For a full, detailed list, view this report

Market Trends
- Increased investments in R&D
- For a full, detailed list, view this report

Key Questions Answered in this Report
- What will the market size be in 2019 and what will the growth rate be?
What are the key Market Trends?
What is driving this market?
What are the challenges to market growth?
Who are the key vendors in this market space?
What are the market opportunities and threats faced by the key vendors?
What are the strengths and weaknesses of the key vendors?
08.10.1 Market Size and Forecast
09. Key Leading Countries
09.1 US
09.2 Germany
09.3 Japan
10. Buying Criteria
11. Market Growth Drivers
12. Drivers and their Impact
13. Market Challenges
14. Impact of Drivers and Challenges
15. Market Trends
16. Trends and their Impact
17. Vendor Landscape
17.1 Competitive Scenario
17.1.1 Key News
17.1.2 Mergers and Acquisitions
17.2 Other Prominent Vendors
18. Key Vendor Analysis
18.1 Ballard
18.1.1 Key Facts
18.1.2 Business Overview
18.1.3 Business Segmentation by Revenue 2013
18.1.4 Business Segmentation by Revenue 2012 and 2013
18.1.5 Geographical Segmentation by Revenue 2013
18.1.6 Business Strategy
18.1.7 Recent Developments
18.1.8 SWOT Analysis
18.2 FuelCell Energy
18.2.1 Key Facts
18.2.2 Business Overview
18.2.3 Business Segmentation by Revenue 2013
18.2.4 Business Segmentation by Revenue 2012 and 2013
18.2.5 Geographical Segmentation by Revenue 2013
18.2.6 Business Strategy
18.2.7 Recent Developments
18.2.8 SWOT Analysis
18.3 Hydrogenics
18.3.1 Key Facts
18.3.2 Business Overview
18.3.3 Business Segmentation by Revenue 2013
18.3.4 Business Segmentation by Revenue 2012 and 2013
18.3.5 Geographical Segmentation by Revenue 2013
18.3.6 Business Strategy
18.3.7 Recent Developments
18.3.8 SWOT Analysis
18.4 Plug Power
18.4.1 Key Facts
18.4.2 Business Overview
18.4.3 Products
18.4.4 Geographical Segmentation by Revenue 2014
18.4.5 Business Strategy
18.4.6 Recent Developments
18.4.7 SWOT Analysis
18.5 Protonex
18.5.1 Key Facts
18.5.2 Business Overview
18.5.3 Products
18.5.4 SWOT Analysis
19. Other Reports in this Series

List of Exhibits
Exhibit 1: Market Research Methodology
Exhibit 2: Overview of Fuel Cell Electrolyte Types
Exhibit 3: Comparison of Fuel Cell Technologies
Exhibit 4: Description of Fuel Cell Applications
Exhibit 5: Schematic Diagram of PEMFC
Exhibit 6: Global PEMFC Market by Unit Shipments 2014-2019 (thousand units)
Exhibit 7: Global PEMFC Market by MW Shipments 2014-2019
Exhibit 8: Global PEMFC Market by Application 2014
Exhibit 9: Global PEMFC Market by Application 2019
Exhibit 10: Global PEMFC Market for Stationary Applications 2014-2019 (thousand units)
Exhibit 11: Global PEMFC Market for Stationary Applications 2014-2019 (MW shipments)
Exhibit 12: Global PEMFC Market for Transportation Applications 2014-2019 (Thousand Units)
Exhibit 13: PEMFC Transportation System Cost Trend 2014-2019 ($/kW)
Exhibit 14: Global PEMFC Market for Transportation Applications 2014-2019 (MW shipments)
Exhibit 15: Global PEMFC Market for Portable Applications 2014-2019 (thousand units)
Exhibit 16: Global PEMFC Market for Portable Applications 2014-2019 (MW shipments)
Exhibit 17: Global PEMFC Market by Geographical Segmentation 2014
Exhibit 18: Global PEMFC Market by Geographical Segmentation 2019
Exhibit 19: PEMFC Market in APAC by Unit Shipments 2014-2019 (thousand units)
Exhibit 20: PEMFC Market in APAC by MW Shipments 2014-2019
Exhibit 21: PEMFC Market in EMEA by Unit Shipments 2014-2019 (thousand units)
Exhibit 22: PEMFC Market in EMEA by MW Shipments 2014-2019
Exhibit 23: PEMFC Market in Americas by Unit Shipments 2014-2019 (thousand units)
Exhibit 24: PEMFC Market in Americas by MW Shipments 2014-2019
Exhibit 25: Ballard : Business Segmentation by Revenue 2013
Exhibit 26: Ballard: Business Segmentation by Revenue 2012 and 2013 (US$ million)
Exhibit 27: Ballard: Geographical Segmentation by Revenue 2013
Exhibit 31: Hydrogenics: Business Segmentation by Revenue 2013
Exhibit 32: Hydrogenics: Business Segmentation by Revenue 2012 and 2013 (US$ million)
Exhibit 33: Hydrogenics: Geographical Segmentation by Revenue 2013
Exhibit 34: Plug Power: Products
Exhibit 35: Plug Power : Geographical Segmentation by Revenue 2014
Exhibit 36: Aviation Market in the APAC 2015-2019: Products

Order by Fax - using the form below
Order by Post - print the order form below and send to

Research and Markets,
Guinness Centre,
Taylors Lane,
Dublin 8,
Ireland.
Fax Order Form
To place an order via fax simply print this form, fill in the information below and fax the completed form to 646-607-1907 (from USA) or +353-1-481-1716 (from Rest of World). If you have any questions please visit http://www.researchandmarkets.com/contact/

Order Information
Please verify that the product information is correct and select the format(s) you require.

Product Name: Global PEMFC (Proton Exchange Membrane Fuel Cells) Market 2015-2019
Web Address: http://www.researchandmarkets.com/reports/3238422/
Office Code: SCBRZ49G

Product Formats
Please select the product formats and quantity you require:

<table>
<thead>
<tr>
<th>Product Format</th>
<th>Quantity</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>Electronic (PDF) - Single User:</td>
<td>✔️</td>
<td>USD 2500</td>
</tr>
<tr>
<td>Electronic (PDF) - 1 - 5 Users:</td>
<td>✔️</td>
<td>USD 3000</td>
</tr>
<tr>
<td>Electronic (PDF) - Site License:</td>
<td>✔️</td>
<td>USD 4000</td>
</tr>
<tr>
<td>Electronic (PDF) - Enterprisewide:</td>
<td>✔️</td>
<td>USD 10000</td>
</tr>
</tbody>
</table>

Contact Information
Please enter all the information below in BLOCK CAPITALS

Title:  
Mr  ✔️  Mrs  ☐  Dr  ☐  Miss  ☐  Ms  ☐  Prof  ☐

First Name: ____________________________  Last Name: ____________________________
Email Address: * ____________________________
Job Title: ____________________________
Organisation: ____________________________
Address: ____________________________
City: ____________________________
Postal / Zip Code: ____________________________
Country: ____________________________
Phone Number: ____________________________
Fax Number: ____________________________

* Please refrain from using free email accounts when ordering (e.g. Yahoo, Hotmail, AOL)
Payment Information

Please indicate the payment method you would like to use by selecting the appropriate box.

☐ Pay by credit card: You will receive an email with a link to a secure webpage to enter your credit card details.

☐ Pay by check: Please post the check, accompanied by this form, to:

Research and Markets,
Guinness Center,
Taylors Lane,
Dublin 8,
Ireland.

☐ Pay by wire transfer: Please transfer funds to:

Account number 833 130 83
Sort code 98-53-30
Swift code ULSBIE2D
IBAN number IE78ULSB98533083313083
Bank Address Ulster Bank,
27-35 Main Street,
Blackrock,
Co. Dublin,
Ireland.

If you have a Marketing Code please enter it below:

Marketing Code: __________________________

Please note that by ordering from Research and Markets you are agreeing to our Terms and Conditions at
http://www.researchandmarkets.com/info/terms.asp

Please fax this form to:
(646) 607-1907 or (646) 964-6609 - From USA
+353-1-481-1716 or +353-1-653-1571 - From Rest of World