Global Electric Bus Market Size, Share, Development, Growth and Demand Forecast to 2020

Description: The global electric bus market accounted for volume sales of 19,059 units in 2015. It is expected to witness growth at a CAGR of 20.9% in terms of volume during the period 2016 - 2025. Among the various technologies, the parallel pure electric bus is expected to be the largest segment (50.8% share) in the global electric bus market in 2025. However, the majority of electric buses running in the present time are hybrid, as they are low in cost, and offer operational flexibility in terms of alternative fuel. However, the western countries are focusing more on the pure electric buses, due their zero carbon foot prints.

Pure electric buses require battery for their operation, while hybrid electric buses use conventional fuel, along with an electric propulsion system. Hybrid electric buses accumulate energy, when the bus decelerates. The power stored in batteries of hybrid electric buses is used for forceful tasks, such as accelerating from standstill. Once the vehicle is in motion, the combustion engine later runs the vehicle's movement. The kinetic energy of the moving vehicle is used for recharging battery in hybrid vehicles. The hybrid buses hold the majority share in the global electric bus market; however, the demand of pure electric buses is increasing rapidly, especially in the western countries owing to growing government concerns for emission-free transportation. As of now, China is the largest and the fastest growing electric bus market in Asia-Pacific. It is expected to account for over 50% share of the global electric bus market by 2025.

In Europe, the U.K., Germany, and France are the major markets for electric bus. The government of the U.K. launched a double decker electric bus in London earlier in 2015. Côte d'Ivoire, Uruguay, and Brazil are expected to be the early adopters of electric bus in Rest of the World. The price of electric buses is almost twice, as compared to their conventional counterparts. The demand of public transit services is highest in Brazil, Russia, India, China, and South Africa (BRICS). However, the premium pricing of electric buses is limiting their acceptance in these price sensitive countries. The low level of environment awareness, along with lack of infrastructure, such as charging station is limiting the penetration of electric buses in the public transit system.

The electric bus market is still at its nascent phase, and requires further technical development for the increased adoption of electric buses. Moreover, the premium price of electric buses is the major hindrance for their large scale adoption in public transit infrastructure, especially within the developing countries, where regional governments are focusing more on low emission natural gas powered buses.

The Chinese module suppliers, such as BYD, are expected to be the largest electric bus module suppliers, during the forecast period. So far, AB Volvo is the only major participant to have hybrid module system developed in-house. Other electric bus module suppliers, such as ZF Friedrichshafen AG offer their hybrid bus module in aftermarket for conventional transit buses. Several companies operating in the global electric bus market have been expanding their market at global level. BYD Company Limited has recently expanded its production base in California. Solaris Bus and Coach S.A. launched articulated electric bus ‘Urbino 18’, in September 2014. The major players operating in the electric bus market include, Zhengzhou Yutong Group Co. Ltd., AB Volvo, Shenzhen Wuzhoulong Motors Co. Ltd., FAW Group Corporation, King Long United Automotive Industry Co. Ltd., Daimler AG, Alexander Dennis Limited, EBUSCO, Ashok Leyland Ltd., Solaris Bus & Coach S.A., BYD Company Limited, and Proterra Inc.

Contents:

1. Research Scope and Methodology
   1.1 Market Definition
   1.2 Market Scope
   1.2.1 Global electric bus market breakdown by technology
   1.2.2 Global electric bus market breakdown by geography
   1.3 Research Methodology and Sources

2. Executive Summary
   2.1 Key Findings
3. Market Outlook
   3.1 Introduction
   3.2 Value Chain Analysis
   3.3 Opportunities and Trends in the Electric Bus Market
      3.3.1 China's early adoption of electric buses would act as growth opportunities for the electric bus market
      3.3.2 Increasing product portfolio of electric bus manufacturers
   3.4 Factors Driving the Growth of Market and its Impact on Market Forecast
      3.4.1 Growing concern of greenhouse gas emission
      3.4.2 Long term environment and cost benefits of electric buses attracting transit agencies
      3.4.3 Increasing venture capital funding, and public-private partnerships (PPP)
      3.4.4 Impact analysis of drivers on market forecast
   3.5 Factors Hindering the Growth of Market and its Impact on Market Forecast
      3.5.1 High purchasing cost of electric buses
      3.5.2 Growing popularity of natural gas fuelled buses
      3.5.3 Impact analysis of restraints on market forecast

   4.1 Series Parallel Hybrid Bus
   4.2 Series Hybrid Bus
   4.3 Parallel Hybrid Bus
   4.4 Pure Electric Bus

   5.1 North America Electric Bus Market
      5.1.1 North America electric bus market, by country
         5.1.1.1 U.S. electric bus market
         5.1.1.2 Canada electric bus market
      5.1.2 North America electric bus market, by technology
      5.2 Europe Electric Bus Market
         5.2.1 Europe electric bus market, by country
         5.2.1.1 U.K. electric bus market
         5.2.1.2 France electric bus market
         5.2.1.3 Germany electric bus market
         5.2.1.4 Russia electric bus market
         5.2.2 Europe electric bus market, by technology
      5.3 Asia-Pacific Electric Bus Market
         5.3.1 Asia-Pacific electric bus market, by country
         5.3.1.1 China electric bus market
         5.3.1.2 India electric bus market
         5.3.2 Asia-Pacific electric bus market, by technology
      5.4 Rest of the World Electric Bus Market
         5.4.1 Rest of the World electric bus market, by country
         5.4.1.1 Brazil electric bus market
         5.4.2 Rest of the World electric bus market, by technology

6. Competitive Positioning and Market Share Analysis
   6.1 Porter's Five Forces of Competitive Position Analysis
      6.1.1 Bargaining power of buyers
      6.1.2 Bargaining power of suppliers
      6.1.3 Threat of new entrants
      6.1.4 Intensity of rivalry
      6.1.5 Threat of substitutes
   6.2 Competitive Positioning of Key Players in the Global Market
   6.3 Market Share Analysis of Major Players

7. Company Profiles and Strategic Developments
   7.1 Key Company Profiles
      7.1.1 Zhengzhou Yutong Group Co. Ltd.
         7.1.1.1 Business overview
         7.1.1.2 Product and service offerings
      7.1.2 King Long United Automotive Industry Co. Ltd
         7.1.2.1 Business overview
         7.1.2.2 Product and service offerings
7.1.3 BYD Company Limited
7.1.3.1 Business overview
7.1.3.2 Product and service offerings
7.1.4 Proterra Inc.
7.1.4.1 Business overview
7.1.4.2 Product and service offerings
7.1.5 AB Volvo
7.1.5.1 Business overview
7.1.5.2 Product and service offerings
7.1.6 Daimler AG
7.1.6.1 Business overview
7.1.6.2 Product and service offerings
7.1.7 Solaris Bus & Coach S.A.
7.1.7.1 Business overview
7.1.7.2 Product and service offerings
7.1.8 Zhongtong Bus & Holding Co. Ltd.
7.1.8.1 Business overview
7.1.8.2 Product and service offerings
7.1.9 Ashok Leyland Ltd.
7.1.9.1 Business overview
7.1.9.2 Product and service offerings
7.1.10 EBUSCO
7.1.10.1 Business overview
7.1.10.2 Product and service offerings
7.1.11 Alexander Dennis Limited
7.1.11.1 Business overview
7.1.11.2 Product and service offerings
7.1.12 Shenzhen Wuzhoulong Motors Co. Ltd
7.1.12.1 Business overview
7.1.12.2 Product and service offerings
7.2 Strategic Developments in the Electric Bus Market
7.2.1 Product launches
7.2.2 Orders and contracts
7.2.3 Other developments

8. Appendix
8.1 List of Abbreviations

List of Tables:
Table 1 Specific Primary And Secondary Sources Used for This Publication
Table 2 Global Electric Bus Market Snapshot
Table 3 Drivers for the Market: Impact Analysis
Table 4 Prices of Diesel/Cng Buses, Hybrid Buses, And Pure Electric Buses In Brazil, China, And India
Table 5 Restraints for the Market: Impact Analysis
Table 6 Global Electric Bus Market, by Technology, Units (2012-2015)
Table 7 Global Electric Bus Market, by Technology, Units (2016 - 2025)
Table 8 Global Electric Bus Market, by Geography, Units (2012-2015)
Table 9 Global Electric Bus Market, by Geography, Units (2016 - 2025)
Table 10 North America Electric Bus Market, by Country, Units (2012-2015)
Table 11 North America Electric Bus Market, by Country, Units (2016 - 2025)
Table 12 North America Electric Bus Market, by Technology, Units (2012-2015)
Table 13 North America Electric Bus Market, by Technology, Units (2016 - 2025)
Table 14 Europe Electric Bus Market, by Country, Units (2012-2015)
Table 15 Europe Electric Bus Market, by Country, Units (2016 - 2025)
Table 16 Major Bidders for Electric Buses Under the Green Bus Fund In the U.K.
Table 17 Europe Electric Bus Market, by Technology, Units (2012-2015)
Table 18 Europe Electric Bus Market, by Technology, Units (2016 - 2025)
Table 19 Asia-Pacific Electric Bus Market, by Country, Units (2012-2015)
Table 20 Asia-Pacific Electric Bus Market, by Country, Units (2016 - 2025)
Table 21 Electric Vehicle Subsidies In India
Table 22 Asia-Pacific Electric Bus Market, by Technology, Units (2012-2015)
Table 23 Asia-Pacific Electric Bus Market, by Technology, Units (2016 - 2025)
Table 24 Row Electric Bus Market, by Country, Units (2012-2015)
Table 25 Row Electric Bus Market, by Country, Units (2016 - 2025)
Table 26 Row Electric Bus Market by Technology, Units (2012-2015)
Table 27 Row Electric Bus Market by Technology, Units (2016 - 2025)
Table 28 Zhengzhou Yutong Group Co. Ltd. - Key Facts
Table 29 King Long United Automotive Industry Co. Ltd.- Key Facts
Table 30 Byd Company Limited.- Key Facts
Table 31 Proterra Inc.- Key Facts
Table 32 Ab Volvo - Key Facts
Table 33 Daimler Ag- Key Facts
Table 34 Solaris Bus & Coach S.A - Key Facts
Table 35 Zhongtong Bus & Holding Co. Ltd - Key Facts
Table 36 Products And Services of Zhongtong Bus & Holding Co., Ltd
Table 37 Ashok Leyland, Ltd.- Key Facts
Table 38 Ebusco - Key Facts
Table 39 Alexander Dennis Limited- Key Facts
Table 40 Shenzhen Wuzhoulong Motors Co. Ltd. - Key Facts

List of Figures:
Fig 1 Research Scope for Global Electric Bus Market
Fig 2 Research Methodology for Global Electric Bus Market
Fig 3 Value Chain Analysis of Global Electric Bus Market
Fig 4 Global Electric Bus Market, by Technology, Units (2012 - 2025)
Fig 5 Global Series Parallel Hybrid Electric Bus Market, Units (2012 -2025)
Fig 6 Global Series Hybrid Electric Bus Market, Units (2012 - 2025) 27
Fig 7 Global Parallel Hybrid Electric Bus Market, Units (2012 - 2025)
Fig 8 Global Pure Electric Bus Market, Units (2012 - 2025)
Fig 9 Global Electric Bus Market, by Geography, Units (2012 - 2025)
Fig 10 North America Electric Bus Market, by Country, Units (2012 - 2025)
Fig 11 U.S. Electric Bus Market, Units (2012 - 2025)
Fig 12 Canada Electric Bus Market, Units (2012 - 2025)
Fig 13 North America Electric Bus Market, by Technology, Units (2012 - 2025)
Fig 14 Europe Electric Bus Market, by Country, Units (2012 - 2025)
Fig 15 U.K. Electric Bus Market, Units (2012 - 2025)
Fig 16 France Electric Bus Market, Units (2012 - 2025)
Fig 17 Germany Electric Bus Market, Units (2012 - 2025)
Fig 18 Russia Electric Bus Market, Units (2012- 2025)
Fig 19 Europe Electric Bus Market, by Technology, Units (2012 - 2025)
Fig 20 Asia-Pacific Electric Bus Market, by Country, Units (2012 - 2025)
Fig 21 China Electric Bus Market, Units (2012 - 2025)
Fig 22 India Electric Bus Market, Units (2012 - 2025)
Fig 23 Asia-Pacific Electric Bus Market, by Technology, Units (2012 - 2025)
Fig 24 Rest of the World Electric Bus Market, by Country, Units (2012 - 2025)
Fig 25 Brazil Electric Bus Market, Units (2012 - 2025)
Fig 26 Rest of the World Electric Bus Market, by Technology, Units (2012 - 2025)
Fig 27 Porter'S Five Forces of Competitive Position Analysis
Fig 28 Presence of Key Players In the Global Electric Bus Market (2015)
Fig 29 Global Electric Bus Market Share, by Company (2015)

Ordering:
Order Online - http://www.researchandmarkets.com/reports/3611101/
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 Electric Bus Market Size, Share, Development, Growth and Demand Forecast to 2020
Web Address: http://www.researchandmarkets.com/reports/3611101/
Office Code: SCPL8LTU

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 4500</td>
</tr>
<tr>
<td>Electronic (PDF) - Site License</td>
<td></td>
<td>USD 7500</td>
</tr>
<tr>
<td>Electronic (PDF) - Enterprisewide</td>
<td></td>
<td>USD 10500</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:

<table>
<thead>
<tr>
<th>Account number</th>
<th>833 130 83</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sort code</td>
<td>98-53-30</td>
</tr>
<tr>
<td>Swift code</td>
<td>ULSBIE2D</td>
</tr>
<tr>
<td>IBAN number</td>
<td>IE78ULSB985333083313083</td>
</tr>
<tr>
<td>Bank Address</td>
<td>Ulster Bank, 27-35 Main Street, Blackrock, Co. Dublin, Ireland</td>
</tr>
</tbody>
</table>

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