

Personal Electric Vehicle EV Cars: Market Shares, Strategies, and Forecasts, Worldwide, 2019 to 2025

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Abstracts

LEXINGTON, Massachusetts (March 17, 2019) – WinterGreen Research announces that it has published a new study Personal Electric Vehicle EV Cars: Market Shares, Strategy, and Forecasts, Worldwide, 2018 to 2025. The 2019 study has 210 pages, 110 tables and figures. The vendors in the Personal Electric Vehicle EV Cars industry have invested in high-quality technology and processes to develop leading edge electric vehicle capability a being implemented quickly so as to benefit from first mover advantage in the market.

Personal Electric Vehicle EV Car manufacture promises to replace gasoline engine cars by 2025. Electric cars leverage new battery technology to achieve better cost benefit ratios. Electric vehicles provide a positive ROI to owners because the cost of recharging batteries is significantly less than the cost of gasoline for similar mileage driven.

Electric car markets bring lower costs and higher value when battery technology is modernized. As lithium ion battery cathodes undergo rapid improvement, the lower cost batteries make electric vehicles less expensive than gas powered vehicles. Electric cars cost less than ICE engine cars, finally. Electric cars do require battery replacement after 5 years.

Global warming has become a serious issue. Consumers have become aware of the need to embrace renewable energy programs directly. The UK is in danger of completely running out of fresh water in 10 years. The high school students are protesting global warming every Friday - worldwide. Nebraska farmers and Iowa voters are fearful about global warming. Consumers are beginning to demand electric vehicles. Personal Electric Vehicle EV Cars that depend on efficient lithium ion batteries have finally begun to tow the mark with regard to addressing global warming.



Electric cars leverage new battery technology to achieve better cost benefit ratios. Electric car markets bring lower costs and higher value when battery technology is modernized. As lithium ion battery cathodes undergo rapid improvement, the lower cost batteries make electric vehicles less expensive than gas powered vehicles. Electric vehicles provide a positive ROI to owners because recharging batteries is significantly less than the cost of gasoline for similar mileage driven. Electric cars cost less than ICE engine cars, finally. Electric cars do require battery replacement after 5 years.

Over the last several years, electric vehicles have entered the mainstream, and the market segment is expected to grow creating radical changes in personal transport. How the segment unfolds is still to be decided, but all signs point to a situation creating 36% of the cars on the road are electric by 2025. By that time, all of the cars manufactured will be electric. Automakers and suppliers are dramatically expanding electrified offerings to achieve gains in fuel efficiency, reductions in emissions, and modernization of the model offerings.

As market participants to establish positions in the electric personal vehicle offerings. the leadership positions are shifting. With the advent of Tesla selling cars over the internet, even the distribution channels threaten to shift dramatically. Industry leadership by Tesla has been achieved by making significant investment in manufacturing and battery infrastructure to facilitate the shift to a next generation of automotive transport.

Automotive manufacturers and suppliers are making a concerted shift away from the internal combustion engine to fully electric vehicles. To retain profitability, companies are improving the efficiency of electric vehicles. The vendors are working to reduce the cost of core components, particularly the traction motors and power electronics.

Vehicles require electric drive motors, generators, and power electronics for alternating current-direct current (AC-DC) conversion as well as DC voltage conversion to support multiple vehicle subsystems. The global electric vehicle market at \$39.8 billion in 2018 is projected to reach \$1.5 trillion by 2025. Units sales are anticipated to reach 97 million vehicles worldwide by 2025. EV sales worldwide at 2.7 million vehicles in 2018 will go to 11 million in 2020.

Wintergreen Research forecasts the availability of 400 electric vehicle models by 2025. The EV industry needs to overcome major challenges related to battery technology and charging infrastructure, to sustain the growth of EVs.



WinterGreen Research is an independent research organization funded by the sale of market research studies all over the world and by the implementation of ROI models that are used to calculate the total cost of ownership of equipment, services, and software. The company has 35 distributors worldwide, including Global Information Info Shop, Market Research.com, Research and Markets, electronics.ca, and Thompson Financial. WinterGreen Research is positioned to help customers facing challenges that define the modern enterprises.

The increasingly global nature of science, technology and engineering is a reflection of the implementation of the globally integrated enterprise. Customers trust wintergreen research to work alongside them to ensure the success of the participation in a particular market segment.

WinterGreen Research supports various market segment programs; provides trusted technical services to the marketing departments. It carries out accurate market share and forecast analysis services for a range of commercial and government customers globally. These are all vital market research support solutions requiring trust and integrity.



Contents

ELECTRIC CARS (EVS): MARKET SHARES, MARKET STRATEGY, AND MARKET FORECASTS, 2019 TO 2025

ELECTRIC CARS EXECUTIVE SUMMARY

Electric Cars Market Driving Forces

Electric Cars Market Driving Forces

Personal Electric Automobiles, Market Shares

Personal Electric Automobiles, Market and Market Forecast

1. ELECTRIC CARS MARKET DEFINITION AND MARKET DYNAMICS

- 1.1 Move to Electric Vehicles
 - 1.1.1 Market Leaders General Motors And Toyota Stumbling In Electric Vehicle Market
- 1.2 Urban Shift to Upgraded Mega Cities
 - 1.2.1 Electric Vehicle Regional Markets
- 1.3 Battery
 - 1.3.1 Electric Vehicle Lithium-ion EV Battery Cathode Materials
 - 1.3.2 Tesla Battery
 - 1.3.3 Cobalt
- 1.4 EV Cost of Operation
 - 1.4.1 EV Fuel Efficiency
 - 1.4.2 Government Incentives for Electric Vehicles
 - 1.4.3 Military Spending On Artificial Intelligence (AI)

2. ELECTRIC CARS MARKET SHARES AND MARKET FORECASTS

- 2.1 Electric Cars Market Driving Forces
 - 2.1.1 Electric Cars Market Driving Forces
 - 2.1.2 Motor Controller
 - 2.1.3 Electric Engine
 - 2.1.4 Other Components of an Electric Engine
 - 2.1.5 EV Economies of Scale
- 2.2 Electric Cars Market Shares
 - 2.2.1 Electric Car Market Participants
 - 2.2.2 Electric Car Batteries
- 2.3 Electric Car Market Forecasts



- 2.3.1 Electric Vehicle Car Segment Market Forecasts, Small, Mid-Size, Luxury. And TaaS, Shipments
- 2.3.2 Trucks and Busses Electric Vehicle Market Forecasts
- 2.4 Electric Cars Regional Market Analysis
- 2.4.2 Cars and Light Truck, Trucks and Busses Vehicle and Electric Vehicle Segment Market Forecasts,
 - 2.4.3 Cars and Light Truck Electric Vehicle Regional Segment Market Forecasts
 - 2.4.4 Electric Car Market Regional Segments, US, Europe, China, Japan, RoW
 - 2.4.5 US
 - 2.4.6 United States: Personal Electric Vehicle Market Forecast Units and Dollars
 - 2.4.7 Canadian Personal Electric Vehicle Market Forecast Units and Dollars67
 - 2.4.8 Brazil: Personal Electric Vehicle Market Forecast Units and Dollars
 - 2.4.9 Americas
 - 2.4.10 Europe
 - 2.4.11 European Personal Electric Vehicle Market Forecast Units and Dollars
 - 2.4.12 Germany: Personal Electric Vehicle Market Forecast Units and Dollars
 - 2.4.13 Scandinavia: Personal Electric Vehicle Market Forecast Units and Dollars
 - 2.4.14 UK: Personal Electric Vehicle Market Forecast Units and Dollars
- 2.4.15 Personal Electric Automobile, Market and Market Forecast, Dollars and % Growth, France, 2019-2025
- 2.4.16 Personal Electric Automobile, Market and Market Forecast, Dollars and % Growth, Spain, 2019-2025
- 2.4.17 Personal Electric Automobile, Market and Market Forecast, Dollars and % Growth, Netherlands, 2019-2025
 - 2.4.18 Chinese EV Market
 - 2.4.19 China Positioned to Be An All Electric Vehicle Ecosystem
 - 2.4.20 China EV Market Forecast
 - 2.4.21 Japan
 - 2.4.22 India
 - 2.4.23 South Korea
- 2.4.24 Personal Electric Automobile, Market and Market Forecast, Dollars, Units and % Growth, South Korea

3. ELECTRIC CARS: PRODUCT DESCRIPTION

- 3.1 Electric Vehicles
 - 3.1.1 Nations and Cities Globally Moving to Electric Vehicles
 - 3.1.2 California Seeks to Ban Gas Burning Vehicles
 - 3.1.3 Activity worldwide for Full Phase-Out of Diesel And Gasoline Engines



- 3.2 EV Battery Manufacturing
- 3.3 Electric Vehicle Infrastructure Spending by Manufacturers
 - 3.3.1 Transport as a Service (TaaS)
 - 3.3.2 Charging Stations

4. ELECTRIC CARS, VEHICLES, RESEARCH, AND TECHNOLOGY

- 4.1 Chinese Electric Vehicles
- 4.2 Electric Car Features
- 4.3 Solid State Battery Technology
- 4.4 Battery Charging
 - 4.4.1 Battery Technology Assisted by Heated Seats and Heated Steering Wheel
 - 4.4.2 Battery Capacity of an EV
- 4.5 Power Supply Information Center
- 4.6 Lithium Ion Batteries

5. ELECTRIC CARS TRUCKS COMPANY PROFILES

- 5.1 Aston Martin
- **5.2 BAIC**
 - 5.2.1 BAIC Corporate Structure
- 5.3 BYD
 - 5.3.1 BYD Co. Ltd. Rechargeable Batteries
- 5.4 BMW
- 5.5 Chrysler
- 5.6 Dongfeng
- 5.7 Daimler
- 5.8 Energica Motor Company S.P.A.,
- 5.9 FAW Group
 - 5.9.1 FAW-Volkswagen
- 5.10 Ford
- 5.11 JLR
- 5.12 Geely
- 5.13 GM
 - 5.13.1 GM Bolt EV
 - 5.13.2 GM Volt EV
 - 5.13.3 Cadillac
 - 5.13.4 GM Tax credit
 - 5.13.5 SAIC General Motors Automotive/China Joint Ventures JVs



- 5.14 Honda
- 5.15 NIO
 - 5.15.1 NIO in China
- 5.16 Nissan
- 5.16.1 Renault Nissan & Mitsubishi Alliance
- 5.17 Panasonic
- 5.18 Porsche
- 5.19 SAIC Motor
 - 5.19.1 Joint Ventures SAIC-VW, SAIC-GM, and SAIC-GM-Wuling
 - 5.19.2 SAIC Motor New Energy Vehicles (NEV)
- 5.19.3 GM Financial (GMF), a subsidiary of General Motors, and SAIC have established SAIC-GMF Leasing Co
- 5.20 Tesla
 - 5.20.1 Tesla Revenue
 - 5.20.2 Tesla Gigafactory 1
 - 5.20.3 Tesla Gigafactory 2
- 5.20.4 Gigafactory 2 Tesla Solar Energy Systems, Renewable Energy Storage, And Energy Storage Products
- 5.20.5 Tesla Gigafactory 3
- 5.21 Thunder Power
- 5.22 Toyota
 - 5.22.1 Toyota Prius Prime
 - 5.22.2 Toyota and Panasonic
- 5.23 Volkswagen
 - 5.23.1 Volkswagen E-Golf
 - 5.23.2 Volkswagen DC Fast Charge
- 5.24 Volvo
- 5.25 Other Electric Car and Light Truck Companies

WINTERGREEN RESEARCH

WinterGreen Research Methodology



List Of Figures

LIST OF FIGURES

- Figure 1. Electric Cars Market Driving Forces
- Figure 2. Personal Electric Automobile Market Shares, Dollars, Worldwide, 2018
- Figure 3. Personal Electric Automobiles, Market and Market Forecast, Dollars and % Growth, 2012-2025
- Figure 4. Cathode Material 34.7% of Battery
- Figure 5. Cobalt
- Figure 6. Metric Tons of Cobalt Produced in 2016
- Figure 7. Electric Cars Market Driving Forces
- Figure 8. Key Components of an Electric EV Drive System
- Figure 9. Personal Electric Automobile Market Shares, Dollars, Worldwide, 2018
- Figure 10. Personal Electric Automobiles, Market and Market Forecast, Dollars and % Growth, 2012-2025
- Figure 11. Personal Electric Automobiles, Market and Market Forecast, Units and % Growth, 2012-2025
- Figure 12. Cars and Light Truck Electric Vehicle Market Forecasts, Units and Percent, Worldwide, 2019 2025
- Figure 13. Cars and Light Truck Electric Vehicle Segment Market Forecasts, Small, Mid Size, Luxury. And TaaS, Units, Worldwide, 2019 2025
- Figure 14. Cars Electric Vehicle Segment Market Forecasts, Small, Mid-Size, Luxury.
- And TaaS, Shipments, Dollars and \$ per Unit, Worldwide, 2019 2025
- Figure 15. Trucks and Busses Electric Vehicle Market Forecasts, Shipments, Units, Worldwide, 2019 2025
- Figure 16. Trucks and Busses Electric Vehicle Segment Market Forecasts, Light Duty Trucks, Mid Size Trucks, Large Trucks, Busses, Shipments, Units, Worldwide, 2019 2025
- Figure 17. Trucks and Busses Electric Vehicle Segment Market Forecasts, Light Duty Trucks, Mid Size Trucks, Large Trucks, Busses, Shipments, Dollars, Worldwide, 2019 2025
- Figure 18. Cars and Light Truck, Trucks and Busses Vehicle and Electric Vehicle Segment Market Forecasts, Shipments, Percent and Units, Worldwide, 2019 2025
- Figure 19. Cars and Light Truck Electric Vehicle Regional Segment Market Forecasts, China, US, Europe, and Rest of World Shipments, Percent Units, Worldwide, 2019 -
- Figure 20. US EV Tax Credit

2025

Figure 21. Electric Car Market Regional Segments, US, Europe, China, Japan, RoW,



- Dollars and Units, Worldwide, 2018
- Figure 22. Electric Car (EV) Regional Market Segments, Dollars, 2018
- Figure 23. Personal Electric Car (EV), Dollars, Market Shares, United States, 2018
- Figure 24. US Electric Car Market Shares, Dollars, , 2018
- Figure 25. Personal Electric Car (EV), Units, Market Shares, United States, 201861
- Figure 26. US Electric Car Market Shares, Units, 2018
- Figure 27. US Electric Car Units and Dollar Percent Comparison, 2018
- Figure 28. US Electric Car Vendor Descriptions, Tesla, GM, Toyota Prius Prime, BMW,
- Honda, Nissan Leaf, Ford Fusion Energi, 2018
- Figure 29. United States: Personal Electric Vehicle Market Forecast Units and Dollars
- Figure 30. United States: Personal Electric Vehicle Market Forecast Units and Dollars
- Figure 31. United States: Personal Electric Vehicle Market Forecast Units and Dollars
- Figure 32. Canadian Personal Electric Vehicle Market Forecast Units and Dollars
- Figure 33. Brazil: Personal Electric Vehicle Market Forecast Units and Dollars
- Figure 34. Personal Electric Vehicles Regional Analysis, Dollars and Percent, 2012 -2025
- Figure 35. Personal Electric Car (EV), Dollars, Market Shares, Europe, 2018
- Figure 36. European Electric Car Market Shares, Dollars, 2018 and 2017
- Figure 37. Personal Electric Car (EV), Units, Market Shares, Europe, 2018
- Figure 38. European Electric Car Market Shares, Units, 2018
- Figure 39. European Car Registrations First Half 2018
- Figure 40. European Electric Vehicle Companies
- Figure 41. Personal Electric Automobile, Market and Market Forecast, Dollars and % Growth, Europe, 2019-2025
- Figure 42. Personal Electric Automobile, Market and Market Forecast, Units and % Growth, Europe, 2019-2025
- Figure 43. Personal Electric Automobile, Market and Market Forecast, Dollars, Units and % Growth, Europe, 2019-2025
- Figure 44. Personal Electric Automobile, Market and Market Forecast, Dollars and % Growth, Germany, 2019-2025
- Figure 45. Personal Electric Automobile, Market and Market Forecast, Units and % Growth, German, 2019-2025
- Figure 46. Personal Electric Automobile, Market and Market Forecast, Dollars, Units, and % Growth, German, 2019-2025
- Figure 47. Personal Electric Automobile, Market and Market Forecast, Dollars and % Growth, Scandinavia, 2019-2025
- Figure 48. Personal Electric Automobile, Market and Market Forecast, Units and % Growth, Scandinavia, 2019-2025
- Figure 49. Scandinavia: Personal Electric Vehicle Market Forecast Units and Dollars



Figure 50. Personal Electric Automobile, Market and Market Forecast, Dollars and % Growth, UK, 2019-2025

Figure 51. Personal Electric Automobile, Market and Market Forecast, Units and % Growth, UK, 2019-2025

Figure 52. Personal Electric Automobile, Market and Market Forecast, Dollars, Units, and % Growth, UK, 2019-2025

Figure 53. Personal Electric Automobile, Market and Market Forecast, Dollars and % Growth, France, 2019-2025

Figure 54. Personal Electric Automobile, Market and Market Forecast, Units and % Growth, France, 2019-2025

Figure 55. Personal Electric Automobile, Market and Market Forecast, Dollars and Units and % Growth, France, 2019-2025

Figure 56. Personal Electric Automobile, Market and Market Forecast, Dollars and % Growth, Spain, 2019-2025

Figure 57. Personal Electric Automobile, Market and Market Forecast, Units and % Growth, Spain, 2019-2025

Figure 58. Personal Electric Automobile, Market and Market Forecast, Dollars, Units and % Growth, Spain, 2019-2025

Figure 59. Personal Electric Automobile, Market and Market Forecast, Dollars and % Growth, Netherlands, 2019-2025

Figure 60. Personal Electric Automobile, Market and Market Forecast, Units and % Growth, Netherlands, 2019-2025

Figure 61. Personal Electric Automobile, Market and Market Forecast, Dollars, Units and % Growth, Netherlands, 2019-2025

Figure 62. Chinese EV Market

Figure 63. Chinese Electric Car Market Shares, Dollars, 2018

Figure 64. Chinese Electric Car Market Shares, Dollars, 2018 and 2017

Figure 65. Chinese Electric Car Market Shares, Units, 2018

Figure 66. BYD Plug in Electric Car Sales in China

Figure 67. China Electric Vehicle Market Leaders

Figure 68. Electric Vehicle Market Shares China

Figure 69. Personal Electric Automobile, Market and Market Forecast, Dollars and % Growth, China, 2019-2025

Figure 70. Personal Electric Automobile, Market and Market Forecast, Units and % Growth, China, 2019-2025

Figure 71. Personal Electric Automobile, Market and Market Forecast, Dollars and % Growth, China, 2019-2025

Figure 72. Personal Electric Automobile, Market and Market Forecast, Dollars and % Growth, Japan, 2019-2025



Figure 73. Personal Electric Automobile, Market and Market Forecast, Units and % Growth, Japan, 2019-2025

Figure 74. Personal Electric Automobile, Market and Market Forecast, Dollars, Units and % Growth, Japan, 2019-2025

Figure 75. Personal Electric Automobile, Market and Market Forecast, Dollars, Units and % Growth, Japan, 2019-2025

Figure 76. Personal Electric Automobile, Market and Market Forecast, Dollars and % Growth, India, 2019-2025

Figure 77. Personal Electric Automobile, Market and Market Forecast, Units and % Growth, India, 2019-2025

Figure 78. Personal Electric Automobile, Market and Market Forecast, Dollars, Units and % Growth, India, 2019-2025

Figure 79. Personal Electric Automobile, Market and Market Forecast, Dollars, Units and % Growth, South Korea, 2019-2025

Figure 80. Activity worldwide for Full Phase-Out Of Diesel And Gasoline Engines:

Figure 81. Market Shares for Electric Batteries

Figure 82. Electric Vehicle Segment Market Forecasts, Dollars, Worldwide, 2019 - 2025

Figure 83. EV Market Growth Factors

Figure 84. Chinese Electric Vehicles

Figure 85. Made in China Electric Vehicles

Figure 86. Electric Car Quickest Acceleration

Figure 87. Most Efficient Electric Vehicles

Figure 88. Most Popular Electric Cars

Figure 89. Most Affordable Electric Cars

Figure 90. Best Price/Range ratio Electric Cars

Figure 91. Recently Added Electric Cars

Figure 92. EV Driver Information Center Information

Figure 93. EV Mobile App Features

Figure 94. BAIC EV Models 2013 - 2019

Figure 95. BAIC EC180 Car Sales 2018

Figure 96. BAIC Senova Car Sales 2018

Figure 97. Revenue of BYD in Billions of Yuan, 2009 to 2017

Figure 98. BYD Revenue Segments

Figure 99. SAIC General Motors Automotive/China Joint Ventures JVs Percent Ownership

Figure 100. Honda Clarity Electric Shaped for Airflow

Figure 101. Nissan Leaf Electric Vehicle Versions And Specs

Figure 102. Panasonic Sales by Segment, FY 2019

Figure 103. Tesla Revenue



Figure 104. Thunder Power EV

Figure 105. Toyota EV

Figure 106. Toyota Prius Prime EV Specifications

Figure 107. Toyota Prius Prime Hybrid Models

Figure 108. Volkswagen E-Golf

Figure 109. Volvo Electric Car

Figure 110. Personal Electric Vehicles



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