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Global Hybrid & Electric Vehicles

May 2018



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About This Report

Scope & Method

This report forecasts global demand for hybrid and electric vehicles by product and major world region in units for 2022 and 2027. Product segments include:

- hybrid
- electric

Major world regions include North America, Western Europe, Asia/Pacific, and all other regions.

To illustrate historical trends, world, product, and regional demand (including product segments) are provided for 2012 and 2017. Finally, global production is segmented by major world region and provided for 2012, 2017, 2022, and 2027.

Excluded from the scope of the report are:

- micro-hybrid vehicles
- competing products such as electric motorcycles and electric rickshaws
- sales of used hybrid and electric vehicles

This report quantifies trends in terms of compound annual growth rates (CAGRs), which, by definition, employ in their calculation only the first and last datapoints over a period. The CAGR is used to describe forecast growth, defined as the trend beginning in the base year and ending in the forecast year. Forecasts are developed via the identification and analysis of pertinent statistical relationships and other historical trends and events, as well as their expected impact over the forecast period. Readers are encouraged to consider historical volatility when assessing particular annual values along the forecast trend, including in the forecast year.

Other various topics, including profiles of pertinent leading suppliers, are covered in this report. A full outline of report items by page is available in the Table of Contents.

Sources

Global Hybrid & Electric Vehicles (FW85023) is based on [a comprehensive industry study](#) published by The Freedonia Group. Reported findings represent the synthesis and analysis of data from various primary, secondary, macroeconomic, and demographic sources including:

- firms participating in the industry, and their suppliers and customers
- government/public agencies

About This Report

- national, regional, and international non-governmental organizations
- trade associations and their publications
- the business and trade press
- indicator forecasts by The Freedonia Group
- the findings of other reports and studies by The Freedonia Group

Specific sources and additional resources are listed in the Resources section of this publication for reference and to facilitate further research.

Industry Codes

Table 9 | Industry Codes Related to Hybrid & Electric Vehicles

NAICS/SCIAN 2007		SIC	
North American Industry Classification System		Standard Industrial Classification	
336111	Automobile manufacturing	3711	Motor vehicles and car bodies
336112	Light truck and utility vehicle manufacturing		
336120	Heavy duty truck manufacturing		

Source: US Census Bureau

Table 10 | HS Codes Related to Hybrid & Electric Vehicles

HS Code	Definition
870340	Vehicles; with both spark-ignition internal combustion reciprocating piston engine and electric motor for propulsion, incapable of being charged by plugging to external source of electric power
870350	Vehicles; with both compression-ignition internal combustion piston engine (diesel or semi-diesel) and electric motor for propulsion, incapable of being charged by plugging to external source of electric power
870360	Vehicles; with both spark-ignition internal combustion reciprocating piston engine and electric motor for propulsion, capable of being charged by plugging to external source of electric power
870370	Vehicles; with both compression-ignition internal combustion piston engine (diesel or semi-diesel) and electric motor for propulsion, capable of being charged by plugging to external source of electric power
870380	Vehicles; with only electric motor for propulsion

Source: United Nations Statistics Division

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Resources

The Freedonia Group

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Freedonia Industry Studies

Global Batteries, June 2018

Global Motorcycles, May 2018

Recreational Vehicles in the US, April 2018

Global Automotive Lubricants, December 2017

North America Automotive Aftermarket, November 2017

Global Bus Market, May 2017

Global Diesel Engine Market, January 2017

Battery Markets in the US, December 2016

Single-Use (Primary) Batteries in the US, November 2016

Rechargeable (Secondary) Batteries, September 2016

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World Diesel Engines

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