

Light Duty Electric Drive Vehicles Monthly Sales Updates

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Monthly sales data for electric vehicles

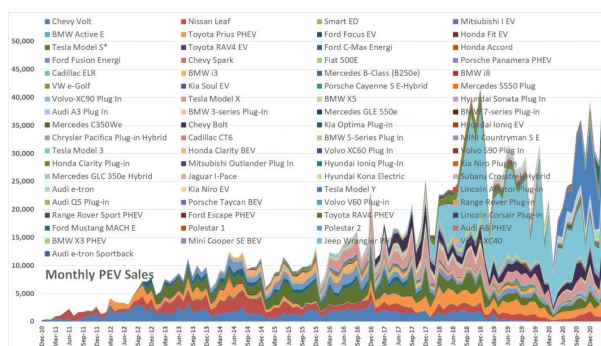


Figure 2 Monthly New PEV Sales by Model

As of November 2019, Argonne no longer reports the number of E-drive vehicles sold by make and model.

Currently available electric-drive vehicles (EDV) in the U.S market include hybrid electric vehicles (HEV), plug-in hybrid electric vehicles (PHEV), battery electric vehicles (BEV) and fuel cell electric vehicles (FCEV). Plug-in Vehicles (PEV) include both PHEV and BEV. HEVs debuted in the U.S. market in December 1999 with 17 sales of the first-generation Honda Insight, while the first PHEV (Chevrolet Volt) and BEV (Nissan Leaf) most recently debuted in December 2010. Electric drive vehicles are offered in several car and SUV models, and a few pickup and van models.

Historical sales of HEV, PHEV, and AEV are compiled by Argonne’s Center for Transportation Research and reported to the U.S. Department of Energy’s Vehicle Technologies Office each month. These sales are shown in Figures 1-4. Figure 1 shows cumulative U.S. Plug-In Vehicle Sales. Figure 2 shows monthly new BEV and PHEV sales by model. Figure 3 shows annual PEV sales share of total light-duty vehicle (LDV) sales since 2011. Figure 4 show HEV and PEV sales change with gasoline price.

Latest Monthly Sales Data

HEV Sales

During March 2021, 75,959 HEVs (21,434 cars and 54,525 LTs) were sold in the United States, up 222.0% from the sales in March 2020.

Toyota accounted for a 72.0% share of total HEV sales this month.

The March 2021 HEV sales share of LDV (<= 10,000 lbs. GVW) sales was 4.80%, while March 2021 HEV cars captured 6% share of total car sales.

Plug-In Vehicle Sales

A total of 46,057 plug-in vehicles (33,370 BEVs and 12,687 PHEVs) were sold during March 2021 in the United States, up 112.1% from the sales in March 2020. PEVs captured 2.9% of total LDV sales this month.

Cumulatively, 105,128 PHEVs and BEVs have been sold in 2021. In total, 1,818,473 PHEVs and BEVs have been sold since 2010.

Hydrogen Fuel Cell Electric Vehicle Sales

Cumulatively, 1034 FCEVs have been sold in 2021. In total, 9,975 FCEVs have been sold since 2014.

Data Sources

Sales data are compiled from several sources at different points in time. Initially, the data were compiled from J.D. Power and associates' sales reports, and Electric Drive Transportation Association (EDTA) and HEV manufacturers' information. Later, the data were supplied by Green Car Congress and collected from Hybrid Market Dashboard. Civic hybrid sales are as reported by Honda in 2003 and 2004. Data from 2005 and later represent sales as reported by EDTA, Hybrid Dashboard, InsideEVs and Green Car Congress. The Escape, Highlander, RX 400h, Camry, and GS 450h hybrid sales represent registration information from EDTA through 2006. The 2007 Escape and GS450h sales data are from Green Car Congress. Accord hybrid sales data are from EDTA and Green Car Congress. The 2007 Vue hybrid sales data are from EDTA (January to May only), and later sales data are from Hybrid Dashboard and Green Car Congress. These numbers are by calendar year, not by model year as reported by the U.S. EPA in its "Light Duty Automotive Technology, Carbon Dioxide Emissions and Fuel Economy Trends Report." The HEV percent shares reported by U.S. EPA are for vehicles weighing <=8,500 lbs. while shares reported here are for vehicles weighing <=10,000 lbs. The Alternative Fuels and Advanced Vehicles Data Center (AFDC) at the Department of Energy website also provides annual HEV sales data.

Featured Report

D. Gohlke and Y. Zhou, "[Impacts of Electrification of Light-Duty Vehicles in the United States, 2010 – 2019](#)," Argonne National Laboratory, Lemont, IL USA, ANL/ESD-20/4, 2020.

PROJECT INFORMATION

Status: Active

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PROJECT CONTACT

[Yan \(Joann\) Zhou](#)

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