

CONSUMER GUIDE TO ELECTRIC VEHICLES

MARCH 2019

Today's Choices in Cars

Today's electric car market is growing steadily, offering U.S. consumers more affordable, efficient, high-performance transportation options each year. Buyers can find an electric car in almost every vehicle class, with about 41 new models available today and about 132 projected by 2022.

Nationwide, a public charging network is expanding as well, enabling more consumers to consider purchasing an electric car. Most drivers still prefer to charge at home, however, due to convenience and savings over time. They plug in and charge their cars overnight, just like their smart phones. At the U.S. national average price of 12.5 cents per kilowatt-hour (kWh), electricity is roughly equivalent to gasoline at \$1 a gallon. Plus, many electricity providers offer special electric vehicle rates.

Displacing gasoline with domestic electricity cuts petroleum use and emissions, which benefits public health. Electrifying the transportation sector can reduce greenhouse gas emissions in 2050 by 57% relative to 2015 levels.

Consider your driving needs. An electric vehicle might work for you.



ELECTRIC VEHICLES DEMYSTIFIED

This guide focuses exclusively on plug-in electric vehicles, which have batteries that are recharged by plugging into the electricity grid. There are two main types: battery electric or all-electric vehicles, and plug-in hybrid electric vehicles.

All-electric vehicles use no gasoline and are powered solely by an electric motor (or motors) and battery. Battery technology is rapidly advancing, costs are declining, and vehicle range is increasing.

Plug-in hybrids are powered by an electric motor (or motors) and battery paired with an internal combustion engine. Most drive solely on electricity using battery energy until the battery is discharged, thereafter continuing to drive on gasoline like a conventional hybrid.

Conventional hybrids have smaller batteries and do not plug in. These hybrids, and cars with technologies designed to maximize gasoline fuel economy such as start-stop or mild hybrids, have electrified drivetrains but are not electric vehicles that can travel on electric power alone.

ELECTRIC VEHICLE AVAILABILITY

The new-car market is transforming. Although electric cars today comprise a fraction—roughly 2%—of U.S. light-duty vehicle sales, the market is projected to grow due to a global shift toward vehicle electrification. U.S. sales of new electric cars increased by 81% in 2018 over 2017. Cumulative sales topped 1 million nationwide and 4 million globally.

Today, U.S. consumers can buy an electric car in almost every vehicle class, as shown in Figure 1. Automakers are offering more choices in trim levels and body styles. Some offer different powertrains—gasoline, battery electric and plug-in hybrid—for the same car.

Some electric vehicle models are available nationwide. Some are available only in California and states that have adopted zero emission vehicle (ZEV) regulations. Still others can be ordered online from the manufacturer and delivered through a local dealer, even if that dealer is in a non-ZEV state or does not stock electric cars on the lot.

Used electric cars are also available. As people who bought the first generation of electric vehicles trade up to new models, their previous cars are now for sale in the used-car market as affordable electric vehicle options.

In addition, several ultra-luxury or limited-edition models priced over \$150,000 are available. They are listed in Table 2 on page 15 but not featured with photos on the following pages of this guide.

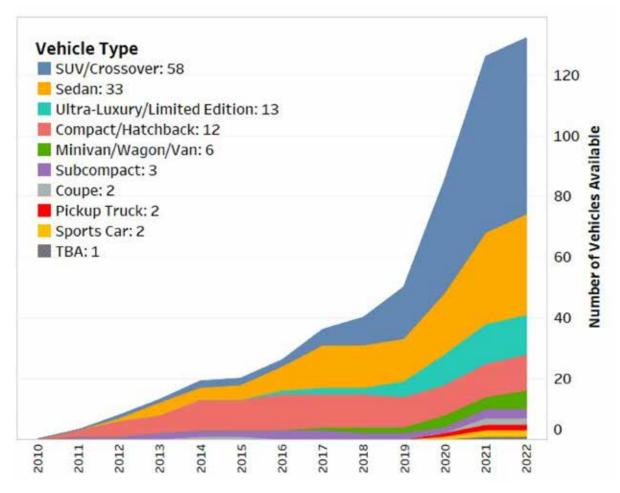


Figure 1 – The number and variety of electric vehicle models continues to grow. By the end of 2019, about 58 different models are expected to be available in the United States. By 2022, around 132 models are projected.

ELECTRIC VEHICLE RANGE AND CHARGING

Most current battery electric vehicles can drive 120 to 250 miles on a charge, and some can travel even further. A recent analysis by EPRI shows that, by 2022, the average range of all-electric vehicles will increase from 196 to 264 miles. With battery technology improving and costs declining, some models with even longer range, 300 miles or more, are expected.

Today's plug-in hybrids can travel 10 to 50 miles on electricity alone, followed by another 300 to 550 miles on gasoline. Some designs allow the driver to choose when to use electricity or gasoline. If you charge every day, you may be able to drive 1,000 to 2,000 miles between gasoline fill-ups.

Most drivers find it convenient and cost-effective to charge at home. Every electric car comes with a 120VAC charging cord (Level 1) that plugs into a standard household outlet. Charging at Level 1 delivers roughly three to five miles of range for every hour of charging.

For faster charging, a 240VAC charging station (Level 2) delivers roughly 12 to 25 miles of range per hour of charging depending on the type of electric vehicle and its onboard charger. Some automakers include free Level 2 charging equipment with the sale or lease of a long-range all-electric car. Most offer it as part of a package with an authorized third-party charging station and service provider to create a turnkey home-charging solution. Some consumers opt to buy a Level 2 station from a different provider, independent of their car purchase. Public and workplace charging networks with Level 1, Level 2, and DC fast charging options are expanding nationwide. A DC fast charger can charge a properly equipped battery electric vehicle to 80% full in roughly 20 to 40 minutes (20 minutes for shorter range cars and 30 to 40 minutes or more for longer range cars with bigger battery packs).

Many, but not all, electric vehicles are equipped to accept DC fast charging. Among those that are fast-charging capable, the speed at which they can charge varies. Furthermore, the speed of individual DC fast charging stations varies by installation, ranging from 50kW to 125kW, with Tesla Superchargers among the fastest.

Table 1 highlights charging basics. The amount of range replenished per hour of charging may vary beyond the numbers shown. For more information, see EPRI publication, "A U.S. Consumer's Guide to Electric Vehicle Charging" (Product ID 3002009442). An updated charging guide will be published in 2019.

Level 1 delivers roughly three to five miles of range for every hour of charging.

Level 2 delivers roughly 12 to 25 miles of range per hour of charging depending on the type of electric vehicle and its onboard charger.

DC fast charging can charge a properly equipped battery electric vehicle to 80% full in 20 to 40 minutes.

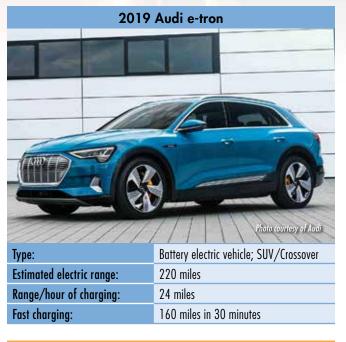
| Level | Circuit Capacity/Description | Location | Miles Range/ Hour Charging | Overnight Charging Range ¹ |
|---------------------|---|------------------|--------------------------------|--|
| Level 1 | Dedicated 110–120VAC, 15–20A circuit; three-prong outlet; charging cable comes with car; or charging station. | Home/Work/Public | 3–5 miles | 30–50 miles |
| Level 2 | Dedicated 240VAC, 30–100A circuit; charging station. | Home/Work/Public | 12–25 miles | 120–250 miles |
| DC Fast Charging | Dedicated 480–600VDC, up to 300A circuit; charging station. | Public | 80% charge in 20–40 minutes | Not applicable |

Table 1 – Charging basics

¹ Assumes 10 hours of charging time.

Available Nationwide

The following pages highlight electric cars that are available nationwide as of March 30, 2019. Sources for vehicle range are U.S. EPA and automakers. For battery electric vehicles, range per hour of charging assumes a Level 2 charging station. Fast charging times are provided by automakers or calculated from automaker statements and are listed for vehicles that are fast-charging capable. For plug-in hybrids, range per hour of charging is calculated from U.S. EPA data and includes both Level 1 (the smaller number) and Level 2 (the larger number). All range per hour and fast charging numbers are approximate.







| Туре: | Plug-in hybrid; Sedan |
|-----------------------------------|-----------------------|
| EPA electric range: | 14 miles |
| EPA total range (gas + electric): | 340 miles |
| Range/hour of charging: | 2—5 miles |







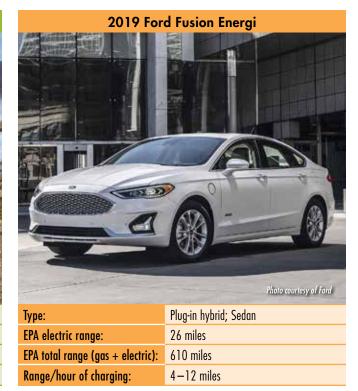
| Туре: | Plug-in hybrid; Compact/Hatchback |
|-----------------------------------|-----------------------------------|
| EPA electric range: | 126 miles |
| EPA total range (gas + electric): | 200 miles |
| Range/hour of charging: | 26 miles |
| Fast charging: | 100 miles in 40 minutes |

2019 Chrysler Pacifica Hybrid

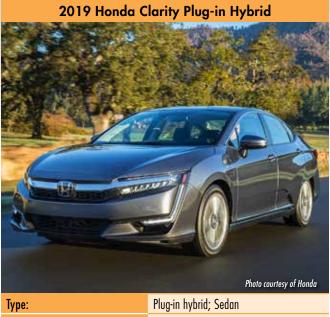




| Туре: | Battery electric vehicle; Compact/Hatchback |
|-------------------------|---|
| EPA electric range: | 238 miles |
| Range/hour of charging: | 25 miles |
| Fast charging: | 90 miles in 30 minutes |



2019 Chevrolet Bolt EV



| Туре: | Plug-in hybrid; Sedan |
|-----------------------------------|-----------------------|
| EPA electric range: | 47 miles |
| EPA total range (gas + electric): | 340 miles |
| Range/hour of charging: | 4—19 miles |

2019 Hyundai Sonata Plug-in Hybrid



| Туре: | Plug-in hybrid; Sedan |
|-----------------------------------|-----------------------|
| EPA electric range: | 28 miles |
| EPA total range (gas + electric): | 600 miles |
| Range/hour of charging: | 3—10 miles |

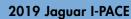
 Type:
 Plug-in hybrid; Compact/Hatchback

 EPA electric range:
 29 miles

 EPA total range (gas + electric):
 630 miles

 Range/hour of charging:
 3–13 miles

2019 Hyundai Ioniq Plug-in Hybrid







| Туре: | Plug-in hybrid; SUV/Crossover |
|-----------------------------------|-------------------------------|
| EPA electric range: | 26 miles |
| EPA total range (gas + electric): | 560 miles |
| Range/hour of charging: | 3—11 miles |

2019 Mitsubishi Outlander Plug-in Hybrid

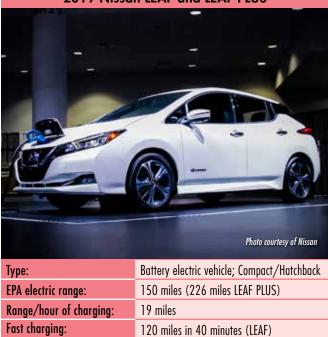


| Туре: | Plug-in hybrid; SUV/Crossover |
|-----------------------------------|-------------------------------|
| EPA electric range: | 22 miles |
| EPA total range (gas + electric): | 310 miles |
| Range/hour of charging: | 3–7 miles |
| Fast charging: | 18 miles in 25 minutes |



| Туре: | Plug-in hybrid; SUV/Crossover |
|-----------------------------------|-------------------------------|
| EPA electric range: | 12 miles |
| EPA total range (gas + electric): | 270 miles |
| Range/hour of charging: | 2—4 miles |

2019 Nissan LEAF and LEAF PLUS



180 miles in 60 minutes (LEAF PLUS)



2019 Porsche Panamera 4 E-Hybrid Sport Turismo



 Type:
 Plug-in hybrid; Sedan

 EPA electric range:
 16 miles

 EPA total range (gas + electric):
 480 miles

 Range/hour of charging:
 1–5 miles

2019 Porsche Panamera 4 E-Hybrid

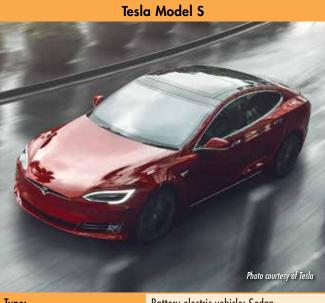


| Туре: | Battery electric vehicle; Subcompact |
|-------------------------|--------------------------------------|
| EPA electric range: | 58 miles |
| Range/hour of charging: | 19 miles |
| Fast charging: | Not equipped |

Tesla Model 3



| Туре: | Battery electric vehicle; Sedan |
|-------------------------|---------------------------------|
| EPA electric range: | 264-310 miles |
| Range/hour of charging: | 37 miles |
| Fast charging: | 150–170 miles in 30 minutes |
| | |



| Туре: | Battery electric vehicle; Sedan |
|-------------------------|---------------------------------|
| EPA electric range: | 315–335 miles |
| Range/hour of charging: | Up to 60 miles |
| Fast charging: | 150—160 miles in 30 minutes |





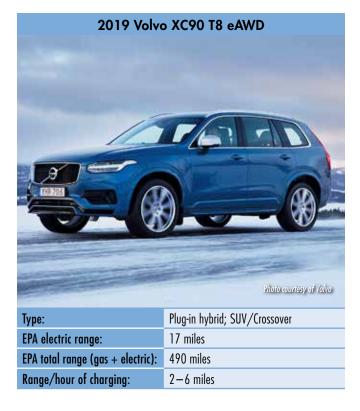


| Туре: | Plug-in hybrid; Sedan |
|-----------------------------------|-----------------------|
| EPA electric range: | 21 miles |
| EPA total range (gas + electric): | 490 miles |
| Range/hour of charging: | 2–7 miles |
| EPA total range (gas + electric): | 490 miles |



2019 Volvo XC60 T8 eAWD

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|----|
| es |
| |



11

Available in Select Markets

The following pages highlight electric cars that are available in select markets as of March 30, 2019. Sources for vehicle range are U.S. EPA and automakers. For battery electric vehicles, range per hour of charging assumes a Level 2 charging station. Fast charging times are provided by automakers or calculated from automaker statements and are listed for vehicles that are fast-charging capable. For plug-in hybrids, range per hour of charging is calculated from U.S. EPA data and includes both Level 1 (the smaller number) and Level 2 (the larger number). All range per hour and fast charging numbers are approximate.





| Туре: | Battery electric vehicle; Sedan | |
|-------------------------|---------------------------------|--|
| EPA electric range: | 89 miles | |
| Range/hour of charging: | 25 miles | |
| Fast charging: | 70 miles in 30 minutes | |



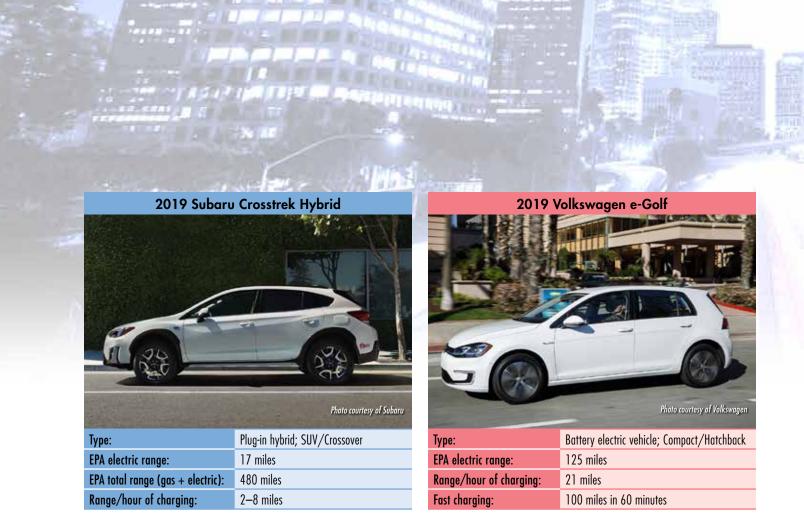












Availability at a Glance

Table 2 – U.S. Electric Vehicle Availability

| | | AVA | ILABLE NOW |
|---|---|---------------------------|--|
| MODEL NAME | RANGE (MI) ¹ | WHERE | MODEL NAME RANGE (MI)1 WHERE |
| SUV/CROSSOVER | | | SUV/CROSSOVER |
| Audi e-tron | 220 | Nationwide | Kia Niro Plug-in Hybrid 26/560 Nationwide |
| Jaguar I-PACE | 234 | Nationwide | MINI Countryman Plug-in Hybrid 12/270 Nationwide |
| Tesla Model X | 289 — 295 | Nationwide | Mitsubishi Outlander Plug-in Hybrid 22/310 Nationwide |
| Hyundai Kona Electric | 258 | Select Markets | Porsche Cayenne E-Hybrid 14/490 Nationwide |
| Kia Niro EV | 239 | Select Markets | Volvo XC60 T8 eAWD 17/500 Nationwide |
| Hyundai Kona Electric258Select MarketsKia Niro EV239Select MarketsCOMPACT/HATCHBACKBMW i3153NationwideChevrolet Bolt EV238NationwideNissan LEAF and LEAF PLUS150 and 226NationwideHyundai loniq Electric124Select MarketsKia Soul EV111Select MarketsVolkswagen e-Golf125Select Markets | | | Volvo XC90 T8 AWD 17/490 Nationwide |
| BMW i3 | 153 | Nationwide | America Americ |
| Chevrolet Bolt EV | 238 | Nationwide | Subaru Crosstrek Hybrid 17/480 Select Markets |
| Nissan LEAF and LEAF PLUS | 150 and 226 | Nationwide | COMPACT/HATCHBACK |
| Hyundai Ioniq Electric | 124 | Select Markets | BMW i3 REx 126/200 Nationwide |
| Kia Soul EV | 111 | Select Markets | |
| Volkswagen e-Golf | 125 | Select Markets | Toyota Prime 25/640 Nationwide |
| SEDAN | 125 | Soloci markois | Hyundai loniq Plug-in Hybrid 29/630 Nationwide Toyota Prius Prime 25/640 Nationwide SEDAN BMW 530e iPerformance 16/370 Nationwide |
| Tesla Model 3 | 264 — 310 | Nationwide | BMW 530e iPerformance 16/370 Nationwide |
| Tesla Model S | 315 - 335 | Nationwide | BMW 740e xDrive iPerformance 14/340 Nationwide |
| Honda Clarity Electric | 89 | Select Markets | Ford Fusion Energi 26/610 Nationwide |
| SUBCOMPACT | 07 | Julici Mulkus | Honda Clarity Plug-in Hybrid 47/340 Nationwide |
| smart EQ fortwo | 58 | Nationwide | Hyundai Sonata Plug-in Hybrid 28/600 Nationwide |
| | 84 | | |
| Fiat 500e | | Select Markets | |
| Range: For battery electric vehicles combined (electric + gas) range. S and manufacturer websites. Source | s is all-electric range. For plug-in purces for vehicles available now | hybrids is all-electric/ | Volvo S90 T8 eAWD 21/490 Nationwide |
| and manufacturer websites. Source | es for vehicles expected in 2019: | manufacturer and industry | Kia Optima Plug-in Hybrid 29/610 Select Markets |
| news websites, data subject to cha | ige. | | MINIVAN/WAGON/VAN Chrysler Pacifica Hybrid 32/520 Nationwide |
| | | | |
| | | | Porsche Panamera 4 E-Hybrid Sport 16/480 Nationwide |
| | | | ULTRA-LUXURY/LIMITED EDITION |
| | | | BMW i8 Coupe 18/320 Nationwide |
| | | | BMW i8 Roadster 18/320 Nationwide |
| | | | Karma Revero 37/240 Nationwide |
| | | | Volvo S60 T8 Polestar Engineered Sold out |
| | | EXDECTE | D LATER IN 2019 |
| MODEL NAME | | - i | |
| SUV/CROSSOVER | RANGE (MI) ¹ | WHEN | MODEL NAME RANGE (MI) ¹ WHEN |
| Audi e-tron Sportback | 200+ | Late 2019 | |
| | 200+ | | Density Commun. Eliberth Com 1 07 /400 41:1 0010 |
| | 000 | Lat. 0010 | |
| MINI Cooper S E | 200 | Late 2019 | |
| Hyundai Ioniq Electric Gen 1+ | | Late 2019 | Range Rover P400e Sport 31/TBA Mid 2019 |
| Kia Soul EV Gen 2 | 243 | Late 2019 | - SEDAN |
| SPORTS CAR | 000 | | O Audi A6 e-tron TBA Late 2019 BMW 330e iPerformance Gen 2 37/TBA Mid 2019 BMW 745e 7451e 7451e xDrive 30/TBA Mid 2019 |
| Porsche Taycan | 300 | Late 2019 | BMW 330e iPerformance Gen 2 37/TBA Mid 2019 |
| ULTRA-LUXURY/LIMITED E | | | |
| Aston Martin Rapide E | 200 | Late 2019 | Mercedes-Benz S560e 22/TBA Mid 2019 |
| Range: For battery electric vehicles is all-electric range. For plug-in hybrids is all-electric/ | | hybrids is all-electric/ | ULTRA-LUXURY/LIMITED EDITION |
| MINI Cooper S E 200 Late 2019 Hyundai Ioniq Electric Gen 1+ 167 Late 2019 Kia Soul EV Gen 2 243 Late 2019 SPORTS CAR - - Porsche Taycan 300 Late 2019 ULTRA-LUXURY/LIMITED EDITION - - Aston Martin Rapide E 200 Late 2019 ' Range: For battery electric vehicles is all-electric range. For plug-in hybrids is all-electric/ combined (electric + gas) range. Sources for vehicles available now: www.fueleconomy.gov and manufacturer websites. Sources for vehicles expected in 2019: manufacturer and industry news websites, data subject to change. | | | Bentley Bentayga Hybrid 31/TBA Early 2019 |
| | | | Maserati Levante Iroteo IBA Late 2019 |
| | | | Volvo Polestar 1 93/TBA Late 2019 |

Future Vehicles: Global Momentum

Automakers continue to make bold statements about their electric vehicle development and deployment plans. Similarly, analysts offer big, sometimes optimistic, predictions about the future electric vehicle market.

Recently, much of the focus has centered on China, the world's largest automotive market, due to its electric vehicle requirements and incentives. One study estimates global automakers will in the next decade invest \$300 billion in electric vehicle technology, with one-half of that investment in China. Another predicts EV sales will surge from 1 million annually to 6.5 million annually by 2025, spurred by China. Other observers caution that the rapid expansion of China's automotive production sector could create an overcapacity problem with too many electric vehicles and conventional cars available. Beyond China, governments around the world, including many U.S. states, are adopting stringent carbon reduction policies. Automakers are investing in electrification, automation, and other new technologies. Consumer preferences are evolving as awareness of electric vehicles grows, technology advances, and prices drop. In the United States, comparatively cheap gas prices and the risk of the federal tax credit and various state electric vehicle purchase incentives ending contribute to market uncertainty. Interest rates are another variable that affect car purchases. Nonetheless, the global indicators point to growing momentum for vehicle electrification.

Table 3 summarizes recent reports of automaker statements on future vehicles and electrification.

| Automaker | Statement |
|-------------------|---|
| Audi | Invest \$15.9 billion in electric mobility, digitalization, and autonomous driving by 2023. By 2025 offer 12 automobiles with all-electric drive in the most important markets world- wide and achieve roughly one-third of its sales with electrified ¹ models. |
| BMW | By 2021, five all-electric models. By 2025, at least 12 all-electric models. Electric range on plug-in hybrids will increase significantly in 2019. Total electrified product portfolio of at least 25 models by 2025. |
| Fiat Chrysler | Spend approximately \$10.5 billion through 2022 on electrification. Launch over 30 nameplates with electrified systems worldwide by the end of 2022, including hybrids and mild hybrids. |
| Ford | Spend \$11 billion on electrification technology and introduce 40 electrified vehicles – 16 all-electric and 24 hybrid or plug-in hybrid – by 2022. |
| General Motors | At least 20 new or redesigned battery electric or fuel cell-powered vehicles globally by 2023 (emphasis: China). A Cadillac electric vehicle will be first to use GM's new platform in 2021. |
| Honda | Two-thirds of vehicle lineup electrified. A compact urban electric car in Japan by 2020. |
| Hyundai/Kia | Bring 38 "green car" models to market by 2025. Kia to offer 16 electrified vehicles com- prising five hybrids, five plug-in hybrids, five electric vehicles, and one fuel cell vehicle. |
| Infinity | Electrify its product lineup from 2021 onward. All sales will be all-electric, electrified or hybrid by 2025. |
| Jaguar Land Rover | All new vehicles will be electrified. |

Table 3 – Reports of automaker statements on future vehicles and electrification

Table 3 – Reports of automaker statements on future vehicles and electrification (continued)

| Automaker | Statement |
|--|---|
| Jeep | Electrification options available across each nameplate by 2021, with four all-electric vehicles and 10 plug-in hybrid vehicles worldwide by 2022. |
| Mazda | Deploy some form of electrification in all production vehicles. |
| Mercedes-Benz | By 2022, offer customers at least one electrified alternative – a 48-volt mild hybrid, a high-voltage plug-in hybrid or an all-electric vehicle – in all segments. Out of more than 130 electrified vehicles, more than 10 will be powered by a battery alone. Electric models estimated to comprise 15–25% of total sales by 2025. |
| Nissan/Mitsubishi/Renault | Launch common electric vehicle platforms and components for multiple segments; 70% of electric vehicle volume based on shared platforms by 2022. A new family of motors and batteries introduced around 2020 and shared within the alliance. Nissan will launch eight new battery-powered electric vehicles by March 31, 2023. May not all be in U.S. |
| Porsche | One-half of Porsche models delivered globally will be electrified. |
| Toyota | 10 electrified vehicles available globally (focus: China) by 2020. By 2030, sales of 1 mil- lion all-electric cars worldwide, and 5.5 million electrified vehicles in total. |
| Volkswagen Group (includes Audi, Porsche) | A total of \$50 billion invested by 2023 in electric vehicles, self-driving cars, and other new technology. Capacity to build up to 15 million electric vehicles on its new MEB platform, with plans to offer 50 all-electric and 30 hybrid electric models by 2025. Eventually offer electrified versions of all 300 models in its 12-brand global portfolio, which includes Audi and Porsche. |
| Volvo | Volvo aims for all-electric cars to make up 50% of its sales by 2025. |

" "Electrified" may mean conventional or mild hybrid, not plug-in electric. However, expanded use of electric drive systems helps reduce costs and build the broader market for electric vehicles.

Answers to Important Questions

How much does it cost to charge?

At the U.S. national average residential price of 12.5 cents per kilowatt-hour (kWh), fueling a car with electricity is roughly equivalent to buying gasoline at \$1 a gallon. Many electricity providers offer discounted electric vehicle rates.

Can weather affect my car's performance?

Electric vehicles may draw energy from the traction battery for interior air-conditioning, heating, and window defrosting or defogging. This energy use can reduce driving range. Extremely cold weather also can reduce driving range. To minimize the effects, you can program the car to precondition the interior and battery while it is plugged in. Pre-conditioning also makes a car more immediately comfortable for passengers. Windshield wipers, headlights, and similar accessories do not affect range.

Where can I get an electric vehicle?

Some electric vehicle models are available nationwide. Some are available only in California, the Pacific Northwest, and some Northeast states that have adopted zero emission vehicle (ZEV) regulations. Still others can be ordered online from the manufacturer and delivered through a local dealer, even if that dealer is in a non-ZEV state or does not stock electric vehicles on the lot. Check automaker websites for updates on available and future models.

Used electric cars are also available. As people who bought the first generation of electric vehicles trade up to the newest models, their previous cars are now for sale in the used-car market as affordable electric vehicle options.

What incentives are available?

A federal tax credit of up to \$7,500 may be available for qualified electric vehicles. Some state and local governments offer vehicle and charging station incentives. In some metros, electric vehicles can use carpool lanes with a single driver. Parking and charging perks are available in some cities. Some electricity providers offer rebates and incentives for electric vehicle charging. Incentives are subject to limitations and may change over time. More information is available at the <u>U.S. Dept. of Energy Office of</u> <u>Energy Efficiency and Renewable Energy</u>.

What should I consider in making a purchase?

Consider your driving needs and lifestyle. If you have only one car, or often drive long distances, a plug-in hybrid with its back-up internal combustion engine can provide a worryfree transition to electric vehicles. If you can charge at your workplace you can effectively double your range.

If you have a predictable daily driving pattern, or if you like the idea of a gasoline-free driving experience, a battery electric vehicle could be a good choice. Access to workplace or public charging may alleviate any range concerns.

Consider costs and benefits. With manufacturer lease options, discounted electricity rates, and government purchase incentives, electric vehicles can be less expensive to operate over their lifetime despite costing more to purchase. And like other new innovations, electric vehicle costs are coming down as technology improves and production scales.

Consider environmental benefits. Electric vehicles have lower emissions than gasoline-powered vehicles, even in areas where much of the electricity is generated by power plants that use fossil fuels. For more information, read EPRI publication, "Environmental Assessment of a Full Electric Transportation Portfolio" (Product ID <u>3002006881</u>).



updates and check your local electricity provider website for information about electric vehicles. Other sources:

Electric Drive Transportation Association www.electricdrive.org and www.goelectricdrive.org

U.S. Dept. of Energy Alternative Fuels Data Center www.afdc.energy.gov/fuels/electricity.html

U.S. Dept. of Energy Fuel Economy Information http://www.fueleconomy.gov/

Plug In America www.pluginamerica.org

Veloz http://www.veloz.org/

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