

Evs electric vehicles

Electric vehicles (EVs) refers to cars or other vehicles with motors that are powered by electricity rather than liquid fuels. There are currently four main types of EVs: Battery electric vehicles (BEVs):...

There are several types of EVs, all powered a little differently:

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These EVs deliver high performance, style, and exclusivity.

If you're interested in moving away from a fully gas-powered vehicle, there are multiple ways to do so depending on your lifestyle.

Hybrid vehicles are a great entry point: They are essentially a more efficient version of a fully gas-powered vehicle. Their small battery complements the gasoline engine, improving the miles per gallon and overall efficiency though not providing enough power to travel on pure electricity. They do not require charging or any lifestyle changes--apart from fewer trips to the gas station.

Plug-in hybrids (PHEVs) sit in between a pure electric vehicle and a hybrid. They have a full gas tank, but can also go a certain distance on pure electricity (usually around 25 miles, give or take), thanks to their larger battery that must be charged through an external port. Many PHEV owners report not needing the gas engine for weeks at a time, especially for errands around town, though they can fall back on it for longer trips.

Cost-wise, PHEVs are not necessarily a budget option. With two powertrains, that means double the engineering complexity for car makers. They typically cost closer to EVs than hybrids for that reason, though there are several affordable options.

Electric vehicles drop the gasoline engine entirely and rely on electricity. They run nearly silently, accelerate more quickly, and don't spew unpleasant exhaust out of the tailpipe. The trade-off? Charging can take hours and the total driving range is often shorter than a gas-powered vehicle. Range numbers have slowly crept up over the years, however, with many newer models now able to go more than 300 miles on a single charge. And though there aren't as many charging stations as there are gas stations, more are added all the time.

There are a few key questions to ask yourself when considering a purely electric vehicle. If you say "yes" to at least a few of these, you're ready to go electric:

An alternative fuel vehicle you might consider is a hydrogen fuel cell, which offers great range and refuels in just five minutes. Hydrogen fuel cells are in their fledgling era, even compared with hybrids and electrics. The most popular model is the Toyota Mirai, but it's currently California-only because the state is the only one with a reasonable number of hydrogen fuel stations.

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