



Electric and Hybrid Vehicle Terms

Acronym	Term	Explanation
AFC	Alternate Fuel Vehicle	A vehicle powered by a fuel other than gasoline or diesel, such as an electric battery or hydrogen.
BEV	Battery Electric Vehicle	A vehicle propelled by an electric battery.
EV	Electric Vehicle	A vehicle powered by electricity.
FCEV	Fuel Cell Electric Vehicle	A vehicle powered by a fuel cell that creates energy for propulsion from the addition of an external fuel, like hydrogen.
FCV	Fuel Cell Vehicle	A vehicle propelled by a device that produces electricity when fed with oxygen and a suitable fuel. The fuel is often hydrogen.
FEV	Full Electric Vehicle	A vehicle powered only by an electric motor.
HEV	Hybrid Electric Vehicle	A vehicle with both an ICE and an electric motor.
HFCV	Hydrogen Fuel Cell Vehicle	A car powered by a fuel cell fed with hydrogen and oxygen
HFCEV	Hydrogen Fuel Cell Electric Vehicle	A vehicle powered by a hydrogen fuel cell.
HFV	Hydrogen Fuel Vehicle	A vehicle powered by hydrogen fuel.
ICE	Internal Combustion Engine	A vehicle powered by internal combustion of fuel such as gasoline or diesel.
LCV	Low Carbon Vehicle	A vehicle that produces zero emissions or low emissions, such as a BEV or PHEV.
MHEV	Mild Hybrid Electric Vehicle	They typically operate in an identical way to traditional engine-powered cars, but they come with a small electric motor to improve fuel economy and trim emissions. In some cases, the electric motor can even move the car away from a standing start, before the petrol or diesel engine then starts to keep you going. This is especially useful in traffic, when you're typically only moving at low speeds.
NEV	New Electric Vehicle	A vehicle termed by the Chinese government to refer to those that attract public subsidies, including BEVs and PHEVs.
PHEV	Plug In Hybrid Electric vehicles	A vehicle with both an ICE for higher speeds and an electric battery that is charged by plugging into an external power source.
SCHEV	Self-Charging Hybrid Electric Vehicle	Self-charging hybrids recuperate energy when you brake and feed it back into the battery, so you never need to plug them in.
ZEV	Zero Emission Vehicle	A vehicle emitting no harmful pollutants from the exhaust pipe.

Sources

<https://www.cinch.co.uk/guides/ask-the-experts/hybrid-cars-everything-you-need-to-know>

<https://electriccarhome.co.uk/electric-cars/bev-phev-hev-ice/>

<https://www.toyota.co.uk/hybrid/hybrid-faq>

31052023

v1.0