

Drive smarter.

To learn more about the 2018 Clarity and the technology of plug-in hybrid electric vehicles (PHEVs), please refer to the Frequently Asked Questions below.



What is a PHEV?

A PHEV is a “plug-in hybrid electric vehicle”. PHEVs use both a traditional gasoline engine and a battery-powered electric motor much like a conventional hybrid vehicle, but can also be plugged into an external power outlet for recharging just like a battery electric vehicle (BEV). The fuel-efficient powertrain allows a PHEV to be driven by the electric motor and gasoline engine in tandem – but also in an all-electric mode that produces zero emissions, and uses only electricity from the grid.

How does a PHEV compare to a BEV vehicle?

BEVs run exclusively on electricity from batteries that require recharging via an outlet or charging station. Depending on battery capacity, BEVs typically offer a range that can vary from 80 to 500+ km and their recharge times can typically vary from 1 to 10 hours.

Plug-in hybrid electric vehicles (PHEVs) use a traditional gasoline engine and an electric motor with a battery, allowing all-electric driving capability. The hybrid powertrain can use the gasoline engine to recharge the battery, and be driven fuel-efficiently for driving distances in excess of 500 km. When in all-electric (EV) mode, the vehicle produces zero emissions. The battery can be plugged into a power outlet for recharging just like a BEV.

Why would I want to drive a Honda Clarity PHEV?

The all-new 2018 Clarity is designed for environmentally and budget conscious drivers, offering them an easy way to bring their green efforts to the road without sacrificing luxury or performance. Built without compromise from the inside out, the Clarity offers 181 hp and a spacious interior which can seat five adults comfortably. Not only do you get the features you'd expect from a Honda, but you can also benefit from the extended range of the flexible PHEV powertrain, allowing all-electric, zero emissions driving in EV mode or the option of Hybrid mode for longer drives. With the Honda Clarity PHEV, you get a eco-friendly vehicle perfect for your lifestyle, along with the confidence that comes from owning a Honda.

What is the battery capacity and all-electric range?

The Clarity is equipped with a 17-kWh battery pack which is estimated to provide up to 68 km¹ all-electric range, the longest of any plug-in hybrid in the intermediate segment. Your range will vary depending on various factors such as: how you drive, how you maintain your vehicle, driving and weather conditions, powertrain condition, and other factors.

Do I need to plug in the Clarity to use it?

It is recommended to plug in your Clarity to fully recharge the battery; however, you do not need to plug it in to use it (as long as there's gas in the tank). Whether you're at home or anywhere with a public charging station, keeping your Clarity charged will help lead to greater gasoline fuel savings.

How frequently do I have to charge the battery?

You should charge your Clarity as often as possible to enjoy the most kilometres through the all-electric drive. There's no need to worry about running out of charge while on the road as the gasoline hybrid system will start functioning provided you have gasoline in the tank.

Can the Clarity charge itself?

The Clarity has a regenerative braking system, which has the capability to partially charge itself. This means it captures the vehicle's momentum (kinetic energy) and turns it into electricity that recharges (regenerates) the onboard battery as the vehicle is slowing down and/or stopping. This process slows the vehicle in a manner similar to engine braking in gasoline-powered vehicles. It is recommended to plug in your Clarity to fully recharge the battery.

Can the Clarity run when the battery charge is empty?

Yes, in the event that the battery charge is empty, the Clarity will continue operating in hybrid mode as long as there's enough fuel in the gas tank.

What is the total driving range?

For longer trips, the Clarity can utilize its hyper-efficient 1.5-liter Atkinson cycle 4-cylinder engine to generate electricity and, under certain conditions, to act as a direct power source, resulting in an anticipated overall driving range rating in excess of 530km.²

Will my Clarity be eligible for any federal or provincial incentives?

Individual purchasers of the Honda Clarity may be able to take advantage of tax credits and other incentives. The Clarity has a 17 kilowatt-hour (kWh) battery pack – you can use this figure to calculate the available incentives in your province. Please refer to the provincial incentive programs for full details:

[Click here](#) to learn more about Ontario's Electric Vehicle Incentive program.

[Click here](#) to learn more about Quebec's Electric Vehicle Incentive program.

[Click here](#) to learn more about British Columbia's Electric Vehicle Incentive program.

¹ Estimated AER taken from US EPA range rating when fully charged. Your actual range will vary based on your driving habits and conditions, charging practice, vehicle and battery pack age/condition, and other factors.

² Estimated combined electric/hybrid range rating taken from US EPA when fully charged and with a full tank of gas. Your actual range will vary based on your driving habits and conditions, charging practice, vehicle and battery pack age/condition, and other factors