

# Honda hybrid battery replacement

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If you have recently become the owner of a hybrid car or you simply want to know the answers to some of the most asked questions on hybrid batteries, this guide will look to help you. From charging hybrid cars to their duration and costs - learn everything you need to know about hybrid car batteries.

The simplest, but slowest, way to charge your plug-in hybrid is to connect the car to a standard 3-pin socket using a special cable called an EVSE. With this, you can charge your plug-in hybrid car at home by connecting to your domestic power supply just like a mobile phone. You could also have a hybrid charging station installed at home which will increase charge speeds. For those without off-street parking some local authorities are installing on-street hybrid charging stations.

Though called a hybrid charging "station", these clusters of charging bays are thankfully far less busy than petrol station forecourts. They can often be found in the corner of motorway services or attached to supermarket car parks. With the constant rise in hybrid and electric vehicles on our roads today, hybrid charging stations continue to be built and grow in popularity. You can find these by using a map of charging points for plug-in hybrid and electric cars.

The time it takes to charge a plug-in hybrid depends on the size of the battery, how much energy has been used and the power output of the hybrid charging station. The power output is measured in kilowatts (kW). Generally, there are four types of charging available:-Slow (up to 3kW) -Fast (7-22kW)-Rapid (25-99kW)-Ultra-rapid (100-350kW)The slowest chargers will have a plug-in hybrid fully charged in around 5 hours. These are usually the most affordable units and are ideal for charging overnight or while you're at work.

Yes, you can charge a hybrid car in the rain - that's because hybrid cars are designed to withstand rain and water intrusion. Whether it's charging, driving or keeping your hands warm, your plug-in or self-charging hybrid will continue to operate safely in wet weather.

A hybrid car battery is either a nickel-metal hydride or lithium-ion type. Though lithium-ion batteries are becoming the more common hybrid battery types as they are:

- oLess toxic
- oBetter at retaining charge while not in use
- oOf high performance even in high temperatures
- oCan be recharged rapidly
- oAre lighter in weight

The lithium-ion hybrid car battery is also becoming more affordable as technology advances.

Depending on the type of hybrid you have the size of the hybrid battery can vary - for example, a plug-in hybrid has a larger battery than a self-charging model. Older batteries may also be different in terms of physical size and storage.

The technology behind hybrid car batteries is constantly advancing so problems are few. But, buyers may

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want to consider that, like all batteries, those in hybrid cars do have a lifespan and can begin to degrade with significant usage, as all vehicles do.

If you're concerned about the battery life of your hybrid car some tests can be done. One of the easiest ways to test your battery's health is to have it serviced by a specialist. One way to determine if your battery is degrading without having a professional test is to look at your fuel usage. If the battery is dying, then your mile per litre will reduce due to more energy being drawn from the combustion engine.

Most hybrid manufacturers advise the average battery life in hybrid cars is around 77,671 miles to 99,419 miles but with proper maintenance, it's not uncommon for them to last longer. For the average person, this should be 6-to-10 years.

While you can purchase a hybrid replacement battery outright it's not recommended to install it yourself. Visiting a specialist garage is the safest way to replace a hybrid car battery. This can ensure the old battery is properly disposed of.

Yes - hybrid car batteries are recyclable and are expected to be recycled after use. Most professional garages should have a process for correctly recycling lithium-ion batteries as part of their hybrid battery disposal process.

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