

Q: What is a plug-in hybrid electric vehicle?

A: A plug-in hybrid electric vehicle (PHEV) has a hybrid gasoline-electric powertrain with a larger battery and more powerful motors, allowing it to run much longer in full electric mode without having to run the gasoline engine.

Q: How long does it take to charge the battery in the NX 450h+?

A: When equipped with the 6.6-kilowatt onboard charger, the NX 450h+ can be charged from fully depleted in approximately 12 hours using a standard household 110 to 120-volt outlet. With an aftermarket Level 2 EV charger such as ChargePoint and a 240-volt outlet, the charge time decreases to about 2½ hours.

Estimated charging time

The time required to charge a fully depleted hybrid battery (traction battery) differs according to the charging voltage and charging current.

Connected power source	home power source	6.6 kW onboard traction battery charger
Charging voltage	AC 110 - 120 V	AC 220 - 240 V
Charging current	12A	32A
Estimated charging time	approximately 12 hours	approximately 2 hours 30 minutes

Q: What cables are included to charge the plug-in hybrid battery of the NX 450h+?

A: The NX 450h+ is equipped with a 110 to 120-volt 12 amp Level 1 EV charging cable. Charging cables for Level 2 using a 240-volt outlet are available in the aftermarket (e.g. Lectron, ChargePoint, Schumacher Electric).

Q: What power outlets are required for charging the plug-in hybrid battery of my NX 450h+?

A: To use the supplied 110-120-volt 12 Level 1 EV charger and charging cable, use a standard household 110 to 120 volt outlet protected by a 20 amp or greater circuit breaker.

To use an aftermarket 240-volt 32 amp Level 2 EV charger and charging cable, use a household 240 volt outlet protected by a 50 amp or greater circuit breaker. If you want to have a 240-volt outlet installed, consult a licensed electrician to evaluate the electrical system of your home, obtain a permit from the

local building department before work begins, and if necessary, obtain approval by the building department before use.

Q: Where can I find more details about charging the plug-in hybrid battery of my NX 450h+?

A: See the Owner's Manual for details.

Q: Do I need gas in the tank?

A: You should never drive the NX 450h+ without gasoline in the tank. While under certain conditions you may drive on electricity alone, the vehicle always requires gasoline to operate properly.

Q: Do I need to plug in the NX 450h+ to use it?

A: No, but it is generally advantageous to keep the vehicle charged. Depending on your electricity rate, you could reduce fuel costs by plugging it in at night. The more often you keep your NX 450h+ fully charged, the greater your chances of potential gasoline savings will be.

Q: How does the plug-in hybrid electric powertrain work?

A: The NX 450h+ uses a series parallel hybrid system, which means it can drive the wheels using either electric motors or gasoline engine or both. A green battery indicator indicates the NX 450h+ can run on the electric motors only. When the battery indicator shows "reduced," HV mode will be activated automatically, using both the gas engine and electric motors to drive the vehicle as they are needed and available.

Q: How long is the NX 450h+ battery designed to last?

A: The plug-in hybrid electric battery in the NX 450h+ is designed to provide years of trouble-free operation, backed by warranty. It is covered for ten years from the original date of first use or 150,000 miles, whichever comes first. Coverage is subject to the terms and conditions of your New Vehicle Limited Warranty. See Owner's Warranty and Maintenance Guide for details.

Q: What differentiates the NX 450h+ from the NX 350h hybrid electric model?

A: Compared to the NX 350h hybrid powertrain, the NX 450h+ has an increased EV Mode driving range, more powerful electric motors, more horsepower, and enhanced fuel efficiency.

Q: What is the NX 450h+ driving range using only electricity?

A: The NX 450h+ has an estimated EV Mode range rating of 37 miles. Actual range will vary depending on a number of factors, including vehicle conditions and how/where you drive your vehicle.