



Hawaiian Electric

Power Your Home with Your Electric Vehicle



Turn Your EV into a Resilient Backup Power Source

Whether it's a hurricane, wildfire, or an unexpected outage, your electric vehicle (EV) can be more than just a ride – it can be your home's backup battery.

Vehicle-to-Home Technology allows your EV to send electricity back into your home, powering essential appliances like your medical devices, refrigerator, lights, or internet router during an outage. Instead of being stuck in the dark, you could keep your home running using energy stored in your EV battery.



Keys Benefits of Vehicle-to-Home in Hawai'i



Peace of Mind During Outages

Turn your EV into a lifeline. Depending on your vehicle and energy needs, it can power your home for hours, or even days, during power outages. Occasional use is not shown to noticeably impact your battery's health.



Cleaner Emergency Power

Charge your EV with solar during the day and use that clean energy in emergencies. Unlike noisy, gas-powered generators, your EV can provide silent, emissions-free power when you need it most.



Supports Island Resilience

Natural disasters can be a part of island life. Vehicle-to-Home helps you take control, adding a layer of independence and preparedness to your home.



Efficient Use of What You Already Own

Your EV is more than a ride – it's a powerful mobile battery. Vehicle-to-Home turns it into a backup system, saving you money and space compared to traditional generators or home batteries.

Hawaiian Electric Supports Vehicle-to-Home

Vehicle-to-Home technology is supported throughout our service area as long as your vehicle-to-home integration system is configured to isolate from the grid while powering your home. All systems must be registered with Hawaiian Electric before operation through an easy and expedited process.

Steps to Register your Vehicle-to-Home System

1 **Talk to a Qualified and Licensed Electrical Contractor** Ensure your vehicle and your home are ready for Vehicle-to-Home with a compatible home charger or energy management system.

2 **Submit Hawaiian Electric's Appendix II-B Registration Form**
Before installation, have your contractor fill out and email the registration form specific to your island, along with any required system documentation.

O'ahu:



hawaiianelectric.com/documents/products_and_services/customer_renewable_programs/sia/he_app_IIB.pdf

Submission address:
SIainfo@hawaiianelectric.com

Hawai'i Island:



hawaiianelectric.com/documents/products_and_services/customer_renewable_programs/sia/hlt_app_IIB.pdf

Submission address:
SIAHawaiiIsland@hawaiianelectric.com

Maui County:



hawaiianelectric.com/documents/products_and_services/customer_renewable_programs/sia/me_app_IIB.pdf

Submission address:
SIAMauiCounty@hawaiianelectric.com

3 **Review and Response**
Hawaiian Electric will conduct an expedited review of your setup to confirm it complies with all requirements. Following successful review, applicants will receive a confirmation of registration and can proceed with operating their system.

We advise all applicants to inquire with their contractor or their county's permitting department to obtain any required permits for their home charging station or electrical infrastructure upgrades.

Have Questions?

Email: GoEV@hawaiianelectric.com