

Why Electric Vehicles Matter



From the People of Japan



What Are EVs?

Electric Vehicles (EVs) run on electricity instead of petrol or diesel. They are powered by batteries, and many can be charged using solar energy or the national power grid.

Why Samoa Should Care



Cleaner Air, Healthier People

EVs have no tailpipe pollution, unlike petrol or diesel cars

Less air pollution = cleaner air in Apia and villages

Less Dependence on Fuel Imports

EVs help us save money and boost energy independence

Cheaper to Run

EVs cost less to charge than fueling with petrol

Fewer parts mean less servicing and maintenance costs

Long-term savings for families, government fleets, and businesses

Supports Climate Action

Samoa is committed to reducing greenhouse gas emissions (NDCs)

EVs help us shift to cleaner, greener transport

Combine with solar charging for 100% clean mobility

Inspires Innovation & Green Jobs



Teaches youth about new technologies

Encourages local repair, charging, and solar skills

Builds a climate-smart workforce

Charging in Samoa



EVs can be charged at home, schools, or public charging stations

Samoa is installing new chargers through the Government of Japan and UNDP support

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Facts About Electric Vehicles

We're on a mission to spread the word about all the benefits of driving electric. **Here's the most common questions people ask about EV's.**



Can I charge my car when it's raining?

Charging an electric car in the rain is **no different to charging it in any other weather condition**, as the charging systems are designed to withstand the elements and remove any potential risks associated with charging in the rain.

Do EVs go as fast as petrol cars?

Electric cars go as fast as petrol-fueled cars or even higher, however, EVs often accelerate faster than petrol-fueled cars because electric motors deliver maximum torque instantly and transmit power to the wheels without gear-shifting delays."



How far can you drive before you need to recharge your car?

The driving range of the latest electric car models is now comparable to that of petrol-fueled cars."

Do EV's need a special charging station?

All electric cars come with a portable charging cable that can be used at home and plugged into your standard power plug.

How long does it take to charge an EV?

A 60 kW fast charger can charge a smaller EV in approximately 45 minutes. Plus you can charge your car in the convenience of your own home overnight while you are not using it.

Aren't they more expensive?

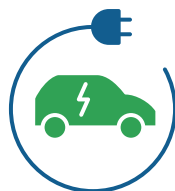
They cost more to buy, but cost way less to run.

How about maintenance? Does that cost more?

With less moving parts an electric engine **requires less maintenance** and therefore **costs less to maintain** than traditional petrol and diesel powered engines.



Are electric vehicles a fire hazard?



Electric vehicles are **about 60 times less likely to be involved in a fire** than a vehicle with an internal combustion engine.

I've got a big family, will an electric vehicle be big enough?

Electric vehicles come in all shapes and sizes - small cars, large cars, utes, vans, trucks and buses.



Link to project website: **Pacific Green Transformation Project | United Nations Development Programme**