

eGolf charging guide

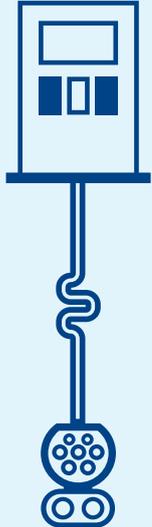
**Think Blue
Waikato.**



Ebbett Volkswagen

Charging your eGolf

When you drive a petrol or diesel car you tend to drive the car until empty, and then visit a gas station to fully refuel the car. You'll find that when driving an EV you'll adopt different habits – every time you park, you're likely to plug in. That way you're always charging your car and will very rarely end up draining the battery to empty. The times we've included below are empty-full scenarios, but in reality it's unlikely you'll need a full charge.

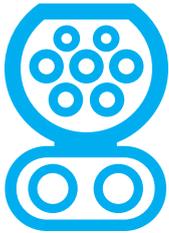
	Trickle charge	Fast charge	Faster charge	Fastest charge
Supply	Regular powerpoint (AC 6 or 8 amps)	Single phase AC 32 amp 7 kw (residential)	3 phase AC 22 kw 32 amp (commercial)	DC (Direct Current)
Description	Your eGolf comes equipped with a trickle charger cable. You can simply plug this into any regular power point at home or the workplace. Your trickle charger has a switch on it allowing you to select 6 or 8 amps.	If trickle is just not fast enough, you can install a 32 amp charge station at your home. By increasing the amps you shorten the charge time.	Your workplace will have 3 phase power. The 3 phase 32 amp charging station charges even faster than the single phase residential station. Note that your eGolf cannot accept greater than 8kw, but by installing a 22kw charger you are future proofing your business.	Direct current bypasses the in-car AC/DC converter and charges the battery directly and is super-fast. These units are too expensive to install directly at your workplace, but public DC charge stations are dotted all around Hamilton and New Zealand. Refer the map over the page.
Estimated install price	n/a	\$1,000 +GST	\$2,500+GST	n/a
Charge time (empty to full)	10-20 hours	8-12 hours	4-5 hours	60-90 mins
Charging ports and cables				
				

Types of plugs



Type 2 (Mennekes) charger

The Type 2 charging standard (sometimes called Mennekes) is designed for use in AC (alternating current) charging systems.



Type 2 CCS charger

As well as the Type 2 standard, there is also a combined DC/AC Type 2 charger, called CCS-Type 2. Where available the additional two pins should be used to further increase charge capability.



ChargeNet

Electric vehicle charging public network

ChargeNet NZ are building a nation-wide network of Rapid DC Chargers that let any EV owner quickly recharge their vehicle, typically in 10 – 30 minutes.

Free from the constraints imposed by the hazardous nature of traditional fossil-based transport fuels, EV charging stations can be placed in much more convenient locations, like shopping malls and supermarkets where you would typically park for at least 20 – 30 minutes anyway.

For more information about ChargeNet NZ, visit www.charge.net.nz

Plug Share

EV charging station map

What is PlugShare and why should I use it?

PlugShare is a free application for iOS, Android, and web that allows users to find and review charging stations, and to connect with other plug-in vehicle owners.

PlugShare provides the most accurate and complete public charging map worldwide. For more information, visit www.plugshare.com

What do the different colored station icons mean?



Public

Publicly accessible stations/outlets.



High Power

Publicly accessible high power fast charging locations.



Restricted

Restricted access locations with no public charging available. These locations are usually workplace employee only charging, car dealerships that only allow customers or hotels that only allow guests to charge.



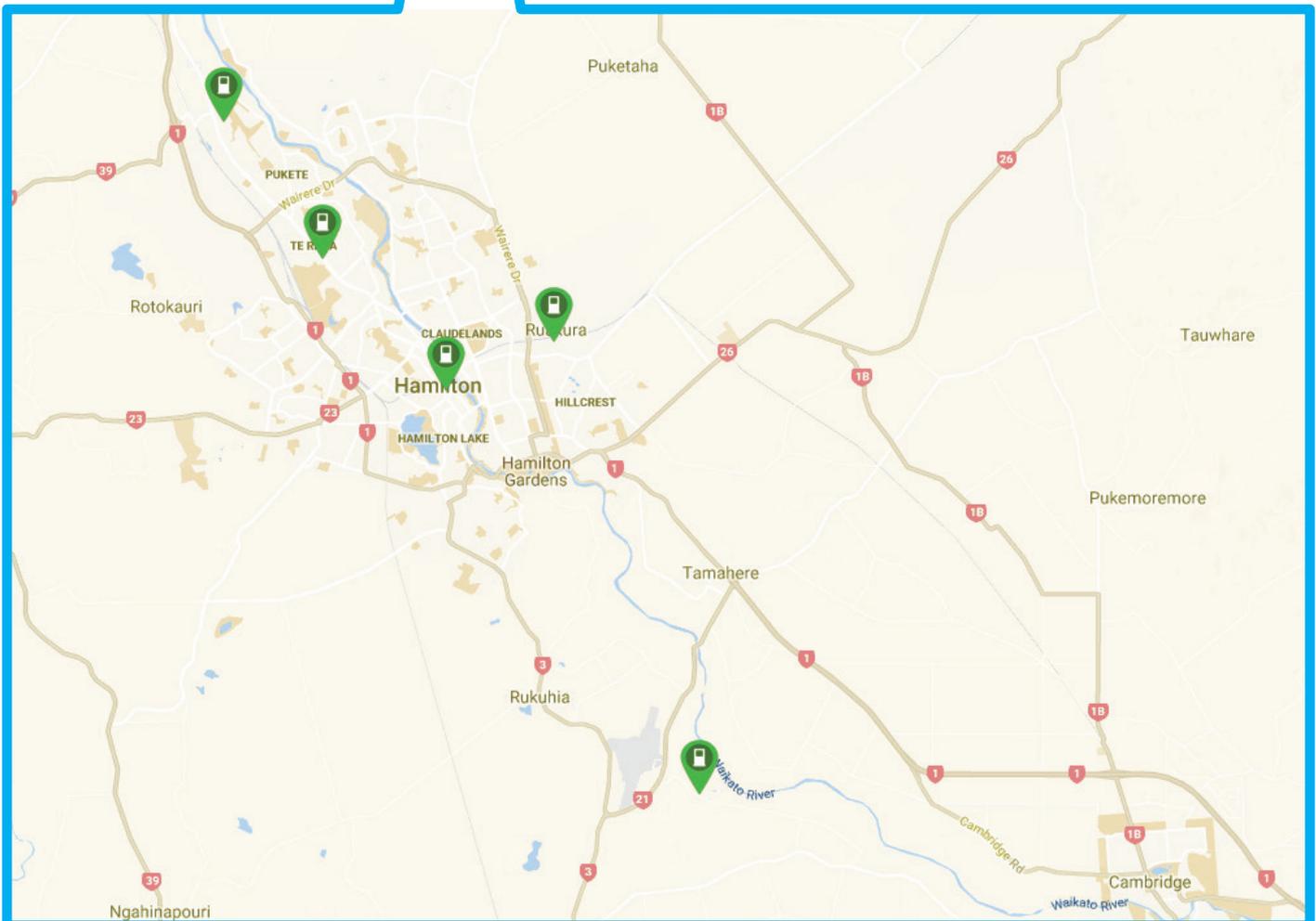
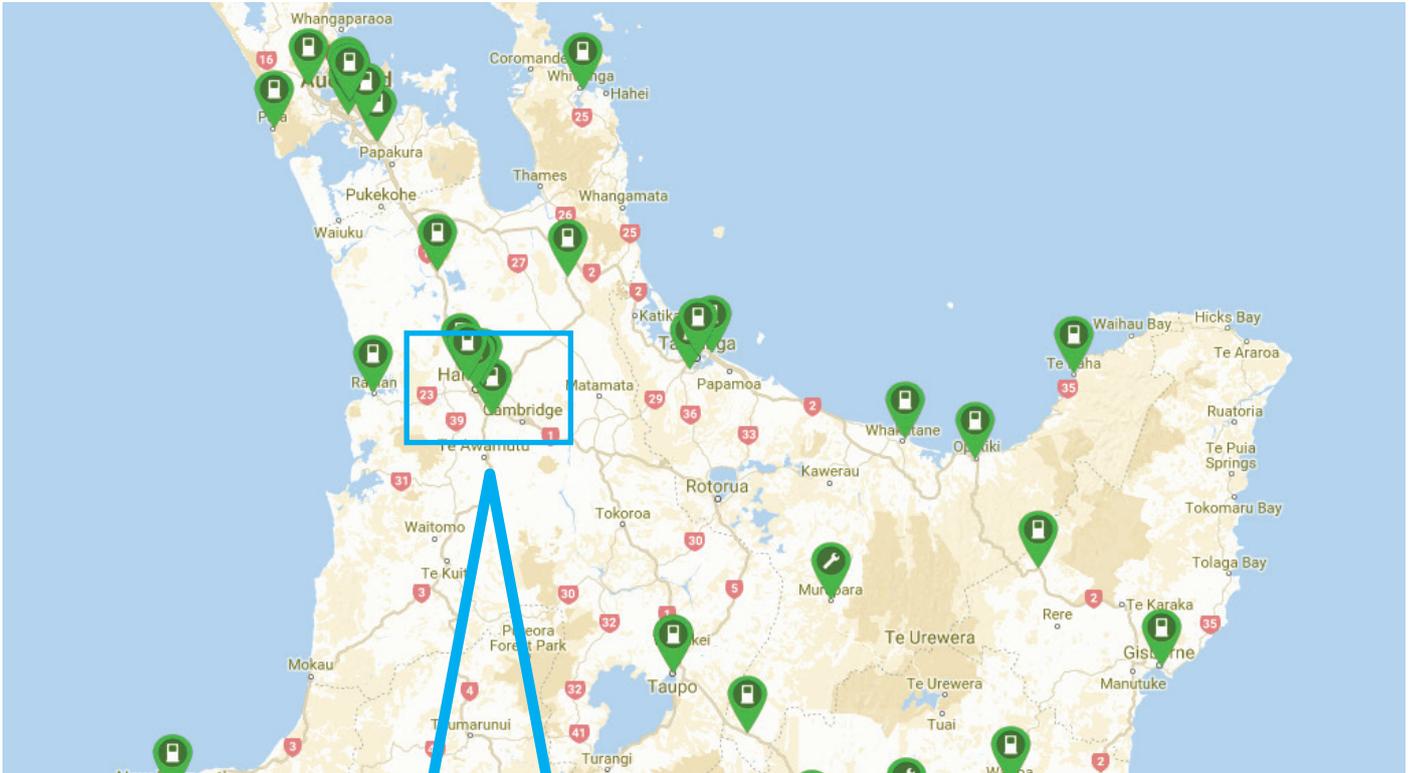
In Use

Locations where the all or most of the available stations are currently in use.



PlugShare public charging station locations for type 2 charges - eGolf compatible

www.plugshare.com to view the map and availability in real time



Frequently asked questions about how to use an eGolf

How long does it take to charge?

Charging time to 100% capacity plugged into 3.6kW AC power supply would take 10.50 hours (a fast charge to 80% can be completed in 45 minutes using a DC CCS plug).

How long does the battery last?

Depending on driving style, you can usually expect to travel around 5 to 6km per kWh.

Is there a warranty on the battery?

Warranty is 8 Years / 160,000kms.

How much does it cost to run?

The cost of electricity for charging will vary, but as an example, a typical pure electric car charged on a domestic power point overnight will cost less than \$3 per 100km, or up to \$5 per 100km during the day (depending on electricity rates). A top-up charge would be a fraction of this.

How much to buy a charge station?

The cost to supply & install 22kW 3-Phase Wall-Mounted EV Charging Station is estimated to be \$2,500 + GST.

Where are the public charge stations?

ChargeNet is the electric vehicle charging public network with charging stations positioned throughout the country. There is a small cost to utilise the stations of approx. \$0.25/kWh + \$0.25/m. You can view the locations in this document and using the PlugShare App.

