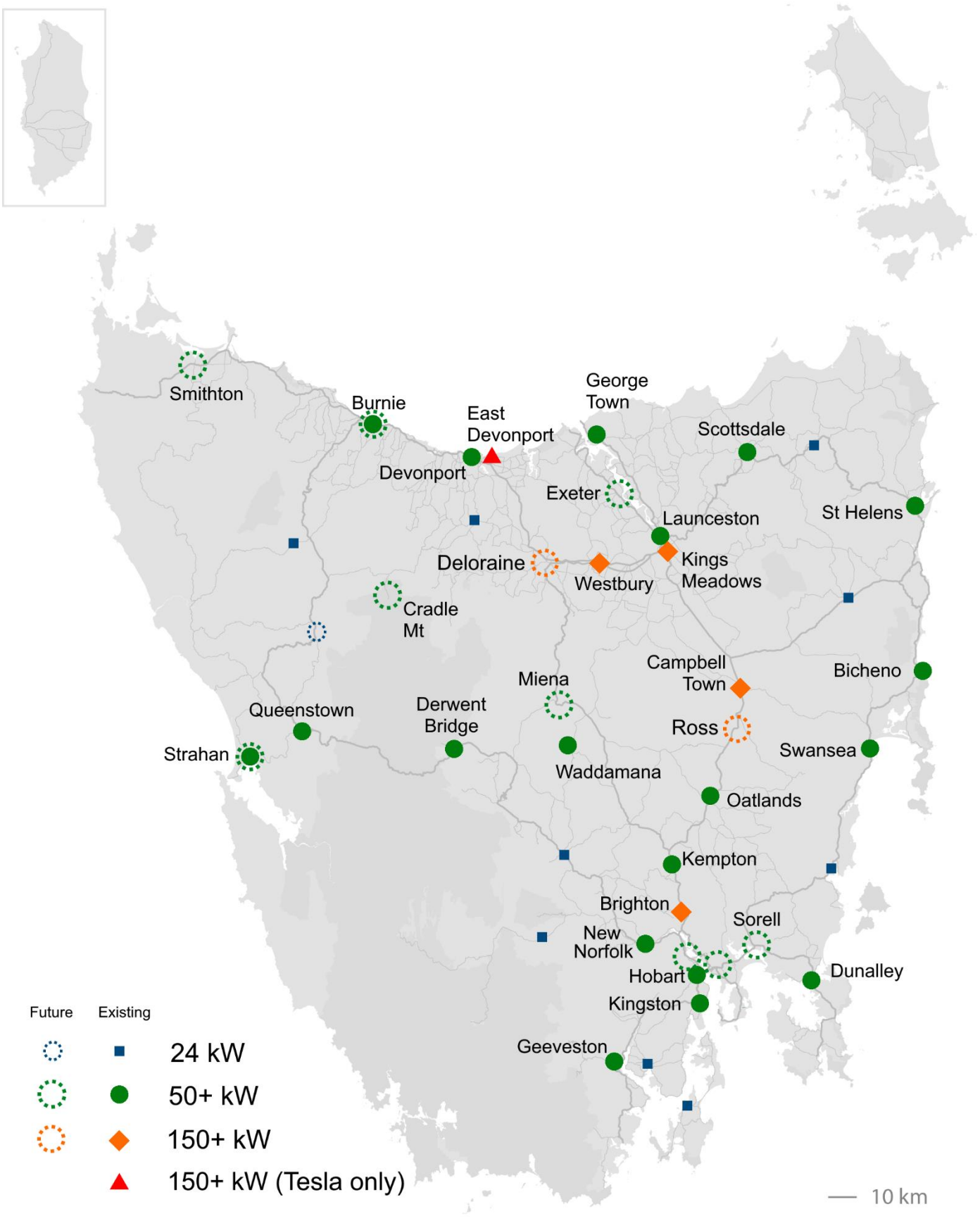
EV FACT SHEET

DC fast chargers in Tasmania



(Current as of July 2023. Some adjacent markers omitted for clarity)

Site	Network / Operator	Opened	Stalls
	**150+ kW (Ultra-rapid): These form the backbone of the state's charging network.** For most combinations of vehicle and charger, these are capable of providing about 200 km of range in 15 minutes. Some combinations of vehicle and charger can provide as high as 400 km of additional range in 15 minutes.		
Campbell Town (Commonwealth Lane)	Evie Networks	Aug 2020	**2 (@ 350 kW)**
Brighton (Shell Coles Express)	Evie Networks	Mar 2021	**2 (@ 350 kW)**
Kings Meadows (Meadow Mews Plaza)	Electric Highway Tasmania	Feb 2020	**2 (@ 350 kW)**
Westbury (Fellow's IGA)	Evie Networks	June 2021	**2 (@ 350 kW)**
East Devonport (Spirit of Tasmania terminal)	Tesla (*Tesla vehicles only)	May 2021	**3 (@ 250 kW)**
Hobart	Tesla (*Tesla vehicles only)	Planned 2023	**3+**
Deloraine	NRMA	Proposed 2025	**4+**
Ross	NRMA	Proposed 2025	**4+**

	**50+ kW (Fast charger): These supplement the ultra-rapid chargers to provide statewide coverage.** These provide backup options on the main route, and the ability to travel along less travelled, tourist routes. Most are 50 kW, which can provide about 60 km of additional range in 15 minutes.		
Bicheno (Foster St Parking) **NEW!**	Electrona Pty Ltd	Apr 2023	**1**
Burnie (North Terrace) **UPGRADE SOON!**	Electric Highway Tasmania	Oct 2020	**1**
Derwent Bridge (Visitor Rest Area)	Electric Highway Tasmania	Aug 2020	**1**
Devonport (Multi-storey Car Park) **UPGRADE SOON!**	Electric Highway Tasmania	Nov 2020	**1**
Dunalley (Imlay St Car Park) **NEW!**	Electric Highway Tasmania	Mar 2023	**1**
Geeveston (Visitor Information Centre)	Electric Highway Tasmania	Sep 2020	**1**
George Town (George Town Council Chambers) **NEW!**	Energy ROI	Mar 2023	**1**
Hobart (Dunn Place Car Park)	City of Hobart	Sep 2020	**1**
Kempton (Mood Food)	Bennett's Petroleum	May 2019	**1**
Kingston (Kingston Town Shopping Centre)	Evie Networks	Dec 2022	**2**
Launceston (Paterson St East Car Park)	City of Launceston	Nov 2018	**1**
New Norfolk (Mood Food)	Bennett's Petroleum	June 2020	**1**
Oatlands (Oatlands Aquatic Centre) **NEW!**	Electric Highway Tasmania	Dec 2022	**2 (@ 80 kW)**
Queenstown (Miners Siding Reserve)	Electric Highway Tasmania	Aug 2020	**1**
Sandy Bay (Wrest Point Hotel Casino) **NEW!**	Electric Highway Tasmania	Mar 2023	**2 (@ 80 kW)**
Scottsdale (Scottsdale Art Gallery Café)	Energy ROI	Dec 2019	**1**
St Helens (Bowen St)	Electric Highway Tasmania	Jan 2021	**1**
Strahan (Esplanade)	Energy ROI	Dec 2022	**1**
Swansea (Noyes St) **UPGRADE SOON!**	Electric Highway Tasmania	Feb 2021	**1**
Waddamana (Power Station Heritage Site)	Hydro Tasmania	Aug 2022	**1**
Burnie (UTas West Park campus) **SOON!**	University of Tasmania	Planned 2023	**1**
Cradle Mountain (Cradle Mountain Hotel)	Electric Highway Tasmania	Planned 2023	**1**
Exeter	Electric Highway Tasmania	Planned 2023	**1**
Glenorchy (Northgate Shopping Centre) **SOON!**	Electric Highway Tasmania	Planned mid-2023	**2**
Glenorchy	Evie Networks	Planned 2023	**2**
Hobart Airport (Hobart Airport)	Evie Networks	Planned 2023	**2**
Howrah (Glebe Hill Village)	Evie Networks	Planned 2023	**2**
Miena (Great Lake Hotel)	Electric Highway Tasmania	Planned 2023	**1**
Kingston (Kingborough Council) **SOON!**	Electric Highway Tasmania	Planned 2023	**2 (@ 80 kW)**
North Hobart	Evie Networks	Planned 2023	**2**
Rosny	Electric Highway Tasmania	Planned 2023	**2**
Smithton (Arthurs Lane Car Park) **SOON!**	Electric Highway Tasmania	Planned mid-2023	**1**
Sorell	Electric Highway Tasmania	Planned 2023	**2**

24 kW: These are a little slower, providing a safety net – for example, for drivers of older, short range EVs who may need a quick top up.

They are mostly being installed in between the faster locations. They are slower, providing approximately 30 km of range in 15 minutes.

Alonnah (Hotel Bruny)	Hotel Bruny	July 2022	
Cygnet (Cygnet Town Hall Car Park)	Electric Highway Tasmania	Mar 2023	
Derby (new car park, 99 Main St)	Electric Highway Tasmania	Jan 2023	
Fingal (Fingal Park) **NEW!**	Electric Highway Tasmania	Apr 2023	
Maydena (Fika Time Café)	Electric Highway Tasmania	Oct 2022	
Ouse (Ouse Community Hall)	Electric Highway Tasmania	Nov 2022	
Triabunna (opp. Triabunna Hall)	Electric Highway Tasmania	Dec 2022	
Sheffield (Visitor Information Centre) **NEW!**	Electric Highway Tasmania	May 2023	
Waratah (Bischoff Hotel)	Electric Highway Tasmania	Sept 2022	
Tullah (Farrell St) **SOON!**	Electric Highway Tasmania	Planned 2023	

Details on planned sites may change • Coloured dots indicate billing network operator - see following pages for details

You may also find AC chargers: These are located at destinations where you may spend many hours, such as tourist attractions or overnight accommodation.

Most will charge at 7-11 kW, which will provide about 40-50 km of range per hour. They are not intended to be fast, but to simply allow you to leave a destination with more range than you arrived with.

Locations – everywhere - too many of these to list!

WHO CAN USE THESE DC FAST CHARGERS?

The chargers listed here are publicly available and use connectors (Chademo and CCS2) which are compatible with all new and upcoming electric vehicles which support DC fast charging – this includes those from Nissan, Mitsubishi, BMW, Hyundai, BYD, Jaguar, Audi, Tesla, Mercedes, Mini, MG, Porsche, Kia, Volvo, Polestar, Lexus, Mazda, Cupra, Genesis and GWM.

(Note that the Renault Zoe, as well as some plug-in hybrid vehicles, do not have a DC fast charging port.)

WHAT ABOUT TESLA SUPERCHARGERS?

A **Tesla supercharger** is a DC fast charging station that is installed and funded by Tesla, specifically for Tesla vehicles. The charge speed is comparable to an ultra-rapid charger. These are not able to be used by other vehicles, although they do use a CCS2 connector. Overseas and interstate, Tesla has started opening up select superchargers to allow other vehicles to use them, although this has not yet occurred in Tasmania.

DO I NEED TO CHARGE TO 100%?

Charging a battery is a bit like filling up an ice cube tray. It doesn't take long to get water in most of the spaces, but as the water gets closer to the top, you need to fill the spaces at a slower and slower rate, to ensure they don't spill.

Similarly, charging a battery is faster when it is closer to empty – it will slow down considerably on most vehicles once the battery reaches over 80-90% full.

It is good etiquette to fast charge only to the 80% mark if your travel route allows it:

- It's the most efficient way to road trip, meaning it takes you less time over all.
- It keeps the fast charger free for the next person – particularly important at sites with single stalls.
- It's more cost effective – sites with a time billing component will end up costing you a lot more for the energy after you pass 80% full.

WHO IS INSTALLING/OPERATING THE SITES?

As well as some sites operated by familiar local companies and local governments, there are a number of new organisations involved:

Electric Highway Tasmania
https://www.electrichighwaytasmania.com.au

Energy ROI
https://www.energyroi.com.au

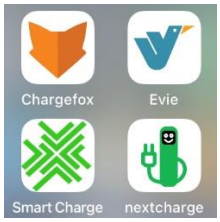
Electrona Pty Ltd
https://www.electrona.com.au

Evie Networks
https://www.goevie.com.au

Chargefox
https://www.chargefox.com.au

HOW DO YOU USE THEM?

While some locations have a credit card payment system, the most common method is to sign up for an account with the charge network (which may be different to the site installer – see the dots on page 2-3 to see which sites use which network).



Charging networks that manage sites in Tasmania include:

● Chargefox ● Evie Networks
● Smart Charge ● NextCharge

Once joined, you can use either a smartphone app or a swipe card to activate charging sessions at the relevant sites.

● EasyPark is a system used for parking payment. The City of Hobart fast charger uses a parking space with a higher hourly rate to include charging and parking in a single transaction.

● Tesla superchargers (in Tasmania) are available to Tesla vehicles only. Billing is automatic and is managed via your Tesla account.

There are many other networks, some only available interstate, but these are the only ones needed to access all of Tasmania's fast chargers.

HOW MUCH DO THEY COST TO USE?

The prices vary, based on differences in operator and speed. Most are in the approximate range of 40c/kWh to 70c/kWh. As a rough comparison, this is about 50% to 80% the cost of petrol.

This is about 3-4 times the cost of charging at home, which reflects the cost of building a site which can charge at high rates. It is preferable to charge at home most of the time - fast chargers are designed for when this is not possible, such as when travelling away from home.

Some sites have a split cost for energy and time, for example: 25c/kWh + 25c/min. This encourages people to not charge all the way to 100%, since the last 10-20% will be slower, and therefore result in a higher effective cost per kWh.

Some chargers have cheaper rates if you use them at off-peak times. In all cases, check the network operator's app for up to date pricing information.

ARE THERE ANY OTHER USEFUL APPS?

Plugshare (https://www.plugshare.com) is a user-sourced compilation of charging locations – public chargers of all kinds, public access power points, as well as individuals who have offered to make their home charger available in case of an emergency. It also allows users to share notes and photos about each site.

NeedToCharge
(https://www.needtocharge.com) is a system which allows drivers to message each other, which can be useful if you are at a charger in use and would like to communicate with the driver of the other car.

ABetterRoutePlanner
(https://www.abetterrouteplanner.com) is a route planning system that will calculate the optimum route between two locations, taking into account charging stops, variables such as weather, elevation and weight. It will calculate the amount of charge needed at each stop and provide you with an accurate estimate of your driving and charging schedule.

Note: DC fast charging news moves quickly – plans can often change. AEVA, publishers of this Fact Sheet, accept no responsibility for opinions expressed, designs or ideas contained herein, or for errors factual or due to reproduction.