

EV FACT SHEET

Porsche Taycan Cross

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Porsche Taycan Cross Turismo. Image: press.porsche.com

INTRODUCTION

The Porsche Taycan Cross is described as the “off-road” version of Porsche’s sportier Taycan sedan. With a more station-wagon style profile than the sedan, it offers more headroom and rear storage, as well as greater rear access thanks to the large rear hatch. Suspension changes for the Cross include air suspension as standard. This allows the Cross versions to lift as much as 30mm higher than the Taycan sedans.

The Taycan Cross first is currently offered in two versions:

Taycan 4S Cross Turismo

AWD, 93 kWh, 360 kW motor, 4.1s 0-100 km/h.

Taycan Turbo Cross Turismo

AWD, 93 kWh, 460 kW motor, 3.3s 0-100 km/h.

DRIVING RANGE

Australian test standards are currently in a state of flux, with the Green Vehicle Guide¹ showing some vehicle driving ranges using either ADR 81/02 (an equivalent to the old (and highly over optimistic) European NEDC test cycle figure) or the newer European WLTP test cycle figure. Worse still, for recent additions to the Australian market the GVG often gives no data is given at all! Around town, the WLTP figure is the best guide to range or, if doing mostly outer suburban to regional driving – use the US EPA figure.

DRIVING RANGE (continued)

Version	National testing system range estimates (km)		
	Australia	WLTP (Europe)	US EPA
4S Cross	437	389	344
Turbo Cross	425	392	326

Table 1: Driving range estimates for the Taycan Cross versions

Using the WLTP range, a Taycan 4 Cross Turismo should be capable of a return trip from the Melbourne GPO to Shepparton in central Victoria – provided the heating or air conditioning were not heavily used. However, an hour 11kW top-up charge at the Shepparton Art Museum, or a 10 to 15 min DC fast-charge in Shepparton, Euroa or Avenel would be recommended.

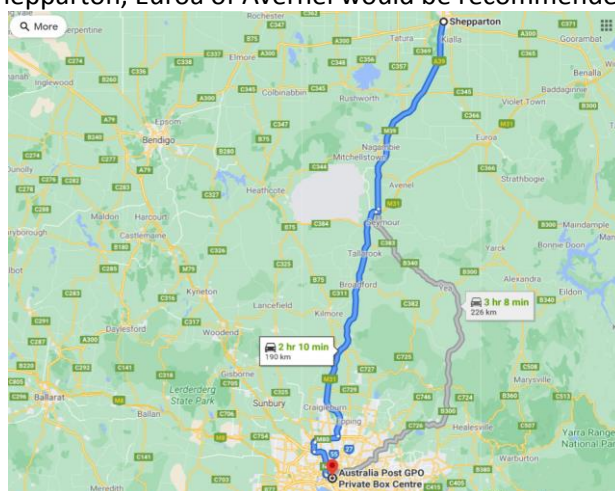


Image: Google maps

CHARGING SPEEDS/REQUIREMENTS

Charging port

The Taycan Cross is fitted with a CCS2 socket allowing it to charge via Type 2 AC chargers² as well as CCS2 DC fast-chargers.



CCS2 charging plug and socket

Notes:

1. <https://www.greenvehicleguide.gov.au>
2. The Kona electric can be charged at any AC EVSE, however an adaptor will be needed to use the (few) remaining older EVSEs fitted with Type 1 (J1772) plugs.

CHARGING SPEEDS/REQUIREMENTS (CONTINUED)

AC charging:

Like all new EVs sold in Australia, the Taycan Cross electric is fitted with a type 2 AC socket as part of the CCS2 AC/DC charge plug system.

Charging rates:

Single phase: maximum of 7.4 kW (32A)

Three phase: 11 kW (16A per phase*).

(*Optional 22kW AC charger available).

Charging speeds and times vary on the capacity of the EVSE (Electric Vehicle Supply Equipment) it is connected to and the chosen battery size. Charging times for the Taycan Cross are shown in table 2 below.

AC: 0 – 100% time				DC: 0 – 80% time	
10 A (power point)	15 A 1 phase (Caravan outlet)	32 A (1 phase Home EVSE)	16 or 32 A (3 phase public AC EVSE)	DC Fast charger (50kW)	DC Fast charger (350kW)
43h	26.75h	13.5h	16A: 9h 32A: 9h*	93m	23m

Table 2: Charging times for the Taycan Cross

* 5h with optional 22kW AC charger.

DC fast charging:

The Taycan Cross uses the CCS2 DC fast-charge connector and can charge at up to 270kW DC. This connector is fast becoming the majority DC fast-charge connector type in both Australia and overseas.

HOME CHARGING CONSIDERATIONS

General

To get the shortest home charging time for a Porsche Taycan, an 11kW three phase AC EVSE would be needed. (22kW if the optional AC charger is selected). However, depending on your existing power supply and/or charging needs, a lower rated EVSE may only be practicable, or needed. (See notes below). Lower capacity EVSEs will increase charging times, as shown in table 1 above.

The Taycan Cross also comes with a Mode 2 portable EVSE for plugging into a 10A power point. Charging with this EVSE will take around 43hrs for a 0 – 100% charge.

Important notes for any home EVSE installation:

1. High charging rates are generally not needed for overnight charging.
2. Homes do not normally have three phase AC connected;
3. Switchboard and/or electrical supply upgrades may be needed if your home is more than 20 years old. (For more information on this item - read articles in:
(a) Renew magazine edition 143. (EVSE wiring)
(b) Renew magazine edition 156. (EVSE buyer's guide)

SPECIFICATIONS

Boot volumes in litres (1 litre = 10 x 10 x 10 cm)

- Boot: 446/405* L
 - Rear seat folded, space to roof: 1,212/1,171* L
 - Froot (Front boot): 84 L
- * in Turbo Cross.

Dimensions:

- Overall length: 4,974 mm
- Overall width (mirrors folded/mirrors out): 1,967/2,144 mm
- Overall height: 1,409 mm

Battery:

- 93.4 kWh (83.7 useable)

Energy consumption:

- 28.1 kWh/100km

Kerb weight:

- 2,245 kg

Charging:

- 1 phase AC: 7.4 kW max.
- 3 phase AC: 11 kW max. (22kW optional).
- DC: 270 kW max.

Charge port location:

- AC: (2 of). Right-side front and left-side front
- DC: Right-side front

Drive configuration:

- All wheel drive.

Performance:

Variant	Max. Power (kW)	0 to 100km/h (Sec)
Cross Turismo	360	4.1
Turbo Cross Turismo	460	3.3

IMPORTANT NOTE:

Always check all specifications with the manufacturer prior to any purchase. No responsibility accepted by AEVA or Bryce Gatton for errors factual or due to reproduction in this Fact Sheet. Whilst all efforts are made to ensure the accuracy of the material in this Fact Sheet, manufacturers regularly make changes (often unannounced) to their model ranges and specifications.