



EV FACT SHEET

Cupra Born

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Cupra Born. Image: Cupra

INTRODUCTION

If you are wondering who Cupra are: Cupra are the performance sub-brand of the Spanish vehicle manufacturer Seat. If that does not ring any bells – this should: Seat is a wholly owned subsidiary of VW.

It should therefore come as no surprise that the Cupra Born is in fact a thinly disguised VW ID.3 in sportier form. As such, it represents VW's first full battery electric vehicle (BEV) entry to the Australian market.

The Born is differentiated from the ID.3 with different treatments to the rear hatch, bonnet, headlamps and wheels. The interior is also tuned to give a sportier feel with sports bucket seats and other minor interior trim differences.

DRIVING RANGE

Currently, the official Australian ADR 81/02 test cycle is based on the outdated (and highly over-optimistic) European NEDC test cycle. However few manufacturers now give this figure for their new releases. Instead they quote the more achievable ranges found through the newer European WLTP test cycle.

Therefore, to avoid disappointment always check which test cycle has been used when assessing an EV for your needs. As a guide, NEDC is generally 30% too high, WLTP a good estimate if doing mostly urban and outer suburban driving and US EPA the better guide if doing mostly outer suburban to regional driving. (Currently, only WLTP figures are available for the Cupra Born).

DRIVING RANGE (continued)

National testing system range estimates		
NEDC (Aust)	WLTP (Euro)	US EPA
Not yet rated	511 ¹	Not sold in US

Table 1: Comparison of test system range estimates

Using a conservative WLTP range, the Cupra Born should manage a return day-trip from the Melbourne GPO to Port Campbell (on Victoria's south coast), provided the heater or air conditioner are not heavily used. For this sort of trip, a 10 to 15 min DC fast-charge at Colac or the (soon to come – see Plugshare.com for updates) site at Wauran Ponds. If taking the coastal route, there are also DC fast-chargers at Jan Juc (RACV Torquay resort) and Ocean Grove.



Image: Google maps.

For further charging options and locations (both DC and AC), visit: <https://www.plugshare.com/>

CHARGING SPEEDS/REQUIREMENTS

Charging port

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



CCS2 charging plug and socket

Notes:

1. 475 km if fitted with 20 inch rims and tyres.
2. The Cupra Born can be charged at any AC EVSE, however an adaptor will be needed to use the (very few) remaining older EVSEs fitted with Type 1 (J1772) plugs.

CHARGING SPEEDS/REQUIREMENTS (CONTINUED)

AC charging:

Like all new EVs sold in Australia, the Cupra Born is fitted with a type 2 AC charging socket.

Charging rates:

Single phase: maximum of 7.4 kW (32A)

Three phase: maximum of 11 kW (16A per phase)

Charging speeds and times vary on the capacity of the EVSE (Electric Vehicle Supply Equipment) it is connected to and the chosen battery size. Approximate charging times for the eT60 are shown in table 2 below.

(a) 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 charge (50kW)	DC Fast charge (350kW)
40h	24h	11h	7.5h	1.3h	40m

Table 2: Approximate charging times for the Cupra Born.

DC fast charging:

The Cupra Born uses the CCS2 DC fast-charge connector and can charge at up to 135 kW.

V2X capability:

The Cupra Born currently does not ship with bidirectional charging capability.

Notes:

V2X is the generic term covering the options of getting 230V AC power from the battery and supplying it as:

- V2L: vehicle to load (230V power available from outlet in car)
- V2H: vehicle to home (supply home via special connection)
- V2G: vehicle to grid (supply home or grid via spec. connection)

HOME CHARGING CONSIDERATIONS

General

To get the shortest home charging time for the Cupra Born, an 11kW three phase AC EVSE would be needed. 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 2 above.

As of the time of writing, it cannot be confirmed if the Cupra Born comes with a Mode 2 portable EVSE for use with a 10A power point. Charging a Cupra Born with this type of EVSE will take around 40 hrs for a 0 – 100% charge.

Important notes for any 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 or business is more than 20 years old. For more information on this item - read EV Information articles at EVchoice.com.au or see:
 - (a) Renew magazine edition 143. (EVSE wiring)
 - (b) Renew magazine edition 156. (EVSE buyer's guide)

SPECIFICATIONS

Seating capacity: 5

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

- Boot - seats up: 385 L
- Boot - seat folded/to roof: 1,267 L

'Froot' (under bonnet 'front boot'):

- No froot

Dimensions:

- Overall length: 4322 mm
- Overall width: 1809/2070 mm (mirrors in/out)
- Overall height: 1558 mm

Battery:

- 82 kWh (77 useable)

Charging:

- 1 phase AC: 7.4 kW (maximum)
- 3 phase AC: 11 kW (maximum)
- DC: 170 kW (maximum)

Charge port location:

- right-hand rear (above wheel arch)

Vehicle to Load connection point/s:

- NA

Energy consumption: (WLTP):

- 15.8 kW/100 km

Kerb weight:

- 1927 kg

Drive configuration:

- rear wheel drive

Towing:

- Not rated for towing

Performance:

- Maximum power: 170 kW
- 0 – 100 km/hr: 7 s.

IMPORTANT NOTES:

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