



EV FACT SHEET

Kia EV3

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Kia EV3. Image: kia UK

INTRODUCTION

The Kia EV3 is currently Kia's Australia's smallest BEV offering and is classified by VFACTS as a 'small SUV'. At 4.3m long, it is slightly smaller than the existing Kia Niro electric.

Manufactured in Korea, it is marketed as being based on the 400V variant of the E-GMP Hyundai/Kia/Genesis platform.

Competition:

The small SUV category has a number of offerings and intending buyers could cross-shop the EV3 in both specification and price ranges. Competitors include the Hyundai Kona, BYD Atto 3, MG ZS EV, Volvo EX 30, Mercedes EQA, Chery Omoda E5, Jeep Avenger and Renault e-tech Megane, as well as the Kia Niro electric. (For a current listing of the full small SUV category, see the 'size class' column of the Summary Page Fact Sheet on this website).

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Currently, the official Australian ADR 81/02 test cycle is based on the outdated (and highly over-optimistic) European NEDC test cycle.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 generally quote the more achievable ranges found using the newer European WLTP test cycle.

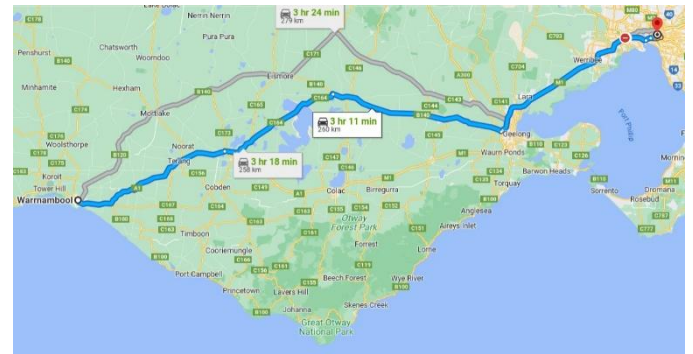
Therefore, to avoid disappointment always check which test cycle has been used when assessing an EV for your needs. As a rough guide, NEDC is generally 30% too high, WLTP a good estimate if doing mostly urban and outer suburban driving and US EPA the better guide if doing mostly outer suburban to regional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

DRIVING RANGE (continued)

Version	National testing system range estimates:		
	NEDC (Aust)	WLTP (Euro)	US EPA
Air Std. Range	Not rated	436 km	TBC ¹
Air Long Range	Not rated	604 km	TBC ¹
Earth Long Range	Not rated	563 km	TBC ¹
GT Line L. Range	Not rated	563 km	TBC ¹

Table 1: Driving range estimates for the Kia EV3.

Using the WLTP rating with a 10% discount for extended highway use, an Air Long Range version would, at its limit, make a round-trip from the Melbourne CBD to Warnambool on Victoria's south-west coast – provided the heating or air conditioning were not heavily used. For this sort of trip, a short DC top-up charge in at one of the many DC charger sites popping up on this route would be recommended: for further charging options and availability, see: <https://www.plugshare.com/>



Example Kia EV3 return trip range. Image: Google maps

CHARGING SPEEDS/REQUIREMENTS

Charging port

The Kia EV3 is fitted with a CCS2 socket allowing it to charge via Type 2 AC chargers² as well as CCS2 DC fast-chargers.



Notes:

1. As of June 2025, the Kia EV3 has yet to be released in the USA.
2. The Kia EV3 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 Kia EV3 is fitted with a type 2 AC socket.

Charging rates:

Single phase: maximum of 6.9 kW (30A)

Three phase: 10.5 kW (15A per phase)

Note: Kia may introduce 22kW AC charging in later 2025.

Charging speeds vary on the capacity of the EVSE (Electric Vehicle Supply Equipment) the car is connected to. Approximate AC charging times for the Kia EV3 are shown in table 2.

AC: 0 – 100% time				DC: 0 – 80% time	
10 A (power point)	15 A 1 phase (Caravan outlet)	32 A (1 ph. Home EVSE)	16 or 32 A (3 phase public AC EVSE)	DC Fast charge (50kW)	DC Fast charge (150+kW)
58 kWh: 25.5h	17h	8.5h	16A: 5.7h 32A: 5.7h	62m	33m
81 kWh: 35.5h	24h	12h	16A: 8h 32A: 8h	89m	35m

Table 2: Approx. charging times for the two battery sizes

DC fast charging

The Kia EV3 uses the CCS2 DC fast-charge connector uses the CCS2 DC fast-charge connector and can charge at up to 100 kW DC for the Standard Range and 130 kW for the Long Range.

V2X capability:

The Kia EV3 offers V2L functionality at up to 3.6 kW (15A) via the exterior port as well as through a standard 3 pin outlet located inside at the rear of the centre console.

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 car outlet)
- 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 Kia EV3, an 11kW AC charger would be needed.

However, depending on your existing power supply and/or charging needs, it may only be practicable to fit a lower rated EVSE. (See notes below). Lower capacity EVSEs will increase charging times, as shown in table 2.

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 – see Fact Sheets at [EVchoice.com.au](https://www.evchoice.com.au) or read articles in:
 - (a) Renew magazine edition 143. (EVSE wiring)
 - (b) Renew magazine edition 156. (EVSE buyer's guide)

SPECIFICATIONS

Seating: 5

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

- Boot:
 - seats up, below parcel shelf: 460
 - Rear seat folded, loading space to roof: TBC
- Froot (front-boot): 25

Dimensions:

- Overall length: 4,300mm (4,310 mm GT Line)
- Overall height: 1,560 mm (1,570 mm: GT Line)
- Ground clearance: 140 mm
- Overall width (edge of doors): 1,850 mm
- Overall width (edge of mirrors): Not provided

Battery:

- Standard Range: 58.3 kWh
- Extended Range: 81.4 kWh

Energy consumption: (WLTP)

- 14.9 kWh/100km (Air Standard Range)
- 14.9 kwh/100 km (Air Long Range)
- 16.2 kwh/100 km (Earth LR, GT Line LR)

Kerb weight:

- 1,845 kg (Standard Range)
- 1,930 kg (Long Range)

Charging:

- 1 phase AC: 6.9 kW max.
- 3 phase AC: 10.5 kW max.
- DC: 100/130 kW max. (Std Range/L Range)

Charge port location:

- Front right-hand side guard.

Drive configuration:

- Front-wheel drive

Towing: (unbraked/braked)

- 500/500 kg: Standard Range
- 750/1000 kg: Long Range

Performance:

Variant:	Max. Power (kW)	0 to 100km/h (Sec)
Air Std. Range	150	7.5
Air Long Range	150	7.7
Earth Long Range	150	7.9
GT Line L. Range	150	7.9

IMPORTANT NOTE

Always check all specifications with the manufacturer prior to any purchase. No responsibility accepted by AEVA or Bryce Gatton (EVChoice) 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.