



EV FACT SHEET

BMW iX3

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Image: BMW Group

INTRODUCTION

The BMW iX3 is one of three new full-electric vehicles released in Australia by BMW in 2021. Like all electric BMWs, the model name begins with a lowercase 'i' to differentiate it from fossil fuelled BMWs.

Classed in Australia as a medium size SUV, the iX3 is built in China built on the same platform as the ICE (internal combustion engine) X3. As such, it is little different in interior or exterior appearance to its ICE sibling.

The direct competitors to the iX3 in Australia include the Hyundai Ioniq 5, Kia EV6, upcoming Genesis GV60 and the (ever 'soon to come') Tesla Model Y.

The iX3 offers up to 11kW AC charging and a 150kW maximum DC fast-charge rate. At that DC rate, it can recharge 100km of range in just under 10 minutes.

DRIVING RANGE

Australian test standards are currently in a state of flux, with the Green Vehicle Guide² showing some vehicle driving ranges using either the old (and highly over optimistic) European NEDC test cycle figure or an equivalent to 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 outer suburban to regional driving – use the US EPA figure.

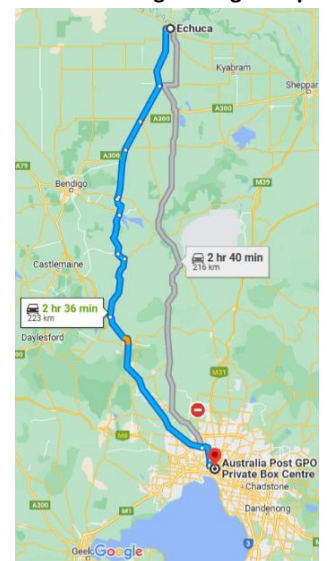
DRIVING RANGE (CONTINUED)

Testing system range estimates:		
NEDC	WLTP	US EPA
520	460	Not rated

Table 1: Driving range estimates for BMW iX3

Image: Google maps

Using the WLTP range – an iX3 should be capable of a return trip from the Melbourne GPO to Echuca on the Victorian border, provided the heating or air conditioning were not heavily used. For this sort of trip, it would be recommended to do a top-up DC fast-charge at one of the DC charger sites along the Calder Highway, or take a slight detour to an AC charger and more relaxed one to two hour break in Bendigo. (For further charging options, see [PlugShare](#)).



CHARGING SPEEDS/REQUIREMENTS

Charging port

The iX3 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 iX3 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 BMW iX3 is fitted with a type 2 AC socket.

Charging rates:

Single phase: maximum of 7.4kW (32A)

Three phase: 11kW (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 iX3 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)
44 ¹	20.5h	10h	7.5h	1.45h	32m

Table 2: Approximate charging times for the BMW iX3
* Using BMW supplied 1.8kW max portable charging cable

DC fast charging:

Like all new BEVs sold in Australia (except the Nissan Leaf), the iX3 uses the CCS2 DC fast-charge connector and can charge at up to 150kW DC.

HOME CHARGING CONSIDERATIONS

General

To get the shortest home charging time for a BMW iX3, 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 **important notes** below). Lower capacity EVSEs will increase charging times, as shown in table 2 above.

The iX3 also comes with a Mode 2 portable EVSE for plugging into a 10A power point. Charging with this will take around 44hrs for a 0 – 100% charge. Note: this extended time is due to BMW supplying a maximum 1.8kW portable charger.

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:
(b) Renew magazine edition 143. (EVSE wiring)
(c) Renew magazine edition 156. (EVSE buyer's guide)

SPECIFICATIONS

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

- Seats up: 510 L
- Seats down: 1560 L

Dimensions:

- Overall length: 4734 mm
- Overall width:
 - 1891 mm (mirrors in)
 - 2138 (mirrors-out)
- Overall height: 1668 mm

Battery:

- 80 kWh (Approximately 74 useable)

Charging:

- 1 phase AC: 7.4 kW max.
- 3 phase AC: 11 kW max.
- DC: 150 kW max.

Charge port location:

- Right-hand rear.

Energy consumption: (WLTP)

- 185 Wh/km

Kerb weight:

- 2255 kg

Drive configuration:

- Rear wheel drive.

Towing:

- 750 kg braked/750 kg unbraked.

Performance:

- Max. Power (kW): 210
- 0 to 100km/h (Sec): 6.8

IMPORTANT NOTES:

Always check the 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.

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