



EV FACT SHEET

Jaguar I-Pace

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Jaguar I-Pace. Image: Jaguar

INTRODUCTION

The Jaguar I-Pace is the first all-electric vehicle from Jaguar Land Rover (JLR). In fact, the I-Pace is the first all-electric luxury vehicle from any European vehicle manufacturer. As such, it has been described as the first true competitor to Tesla's Models S and X.

Announced in March 2018, deliveries started in the second half of 2018. In Australia, deliveries began at the end of 2018.

It is described as a 'crossover' SUV style vehicle, and is advertised as being as capable off-road as it is on the road. It is an all-wheel drive vehicle with two motors (one driving the front wheels, and one the rear wheels) and comes with a 90kWh battery.

The I-Pace has already received many motoring awards and accolades, including the UK Car of the Year Awards '2019 Car of the Year'. It features an excellent driving range – but not as good as the Tesla models S or X. This is due to:

- having a smaller battery than the Tesla Models S or X (90kWh, as compared to 100kWh in the Tesla) and
- an overall vehicle energy efficiency (Wh/km) that is slightly lower than that of the Tesla drive system.

DRIVING RANGE

National testing system range estimates (km)	
Australian GVG ¹	US EPA
446	376

Table 1: Driving range estimates for the Jaguar I-Pace

Using the US EPA range, an I-Pace would (at its limit) make a round-trip from the Melbourne CBD to Shepparton and back – provided neither the heating or air conditioning were used. For this sort of trip, a 30 min to 1hr top-up AC charge over lunch in Shepparton, or a 5 – 10 min DC fast charge along the way would be recommended.

(See Plugshare.com for more charging options).

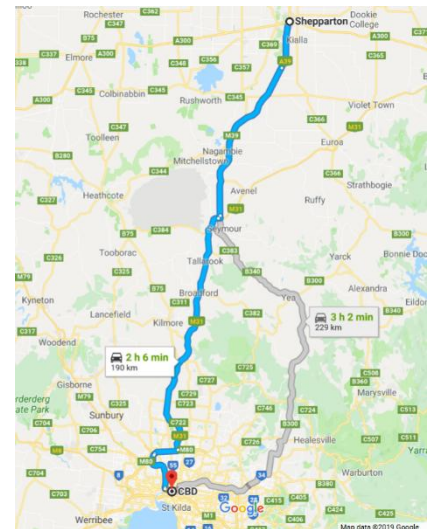


Image: Google maps

CHARGING SPEEDS/REQUIREMENTS

Charging port

The I-Pace is fitted with a CCS2 socket allowing it to charge via AC as well as via CCS2 DC fast-chargers.



CCS2 charging plug and socket

Notes:

- <https://www.greenvehicleguide.gov.au>
- The I-Pace 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 Jaguar I-Pace is fitted with a type 2 AC socket as part of the CCS2 AC/DC charge plug system.

AC Charging rates:

Single phase: maximum of 7.4 kW (32A)

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

Note: the I-Pace AC charging rate was increased in 2021 to 11kW when using a 3 phase EVSE or outlet.

DC fast charging:

The I-Pace uses the CCS2 DC fast-charge connector and can charge at up to 104kW.

Note: This connector is fast becoming the sole DC fast-charge connector type in both Australia and overseas.

Charging times:

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 I-Pace 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 charge (50kW)	DC Fast charge (150kW)
42h	26h	13h	16A: 9.25h 32A: 9.25h	1.5h	45m

Table 2: Charging times for the Jaguar I-Pace

HOME CHARGING CONSIDERATIONS

General:

To get the shortest home charging time for the I-Pace, an 11 kW 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.

The I-Pace also comes with a Mode 2 portable EVSE for plugging into a 10A power point. Charging an I-Pace from 0 – 100% with this EVSE will take around 42 hours.

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: 638 - 656 L
- Rear seat folded: 1,435 – 1,453 L

Dimensions:

- Overall length: 4,682 mm
- Overall width (mirrors folded/mirrors out): 2,011/2,139 mm
- Overall height: 1,565 mm

Battery:

- 90 kWh (84.7 kWh usable)

Energy consumption: (WLTP test cycle)

- 220 Wh/km

Kerb weight:

- 2,208 kg

Charging:

- 1 phase AC: 7.4 kW max.
- 3 phase AC: 11 kW max.
- DC: 104 kW

Charge port location:

- Left-hand front mudguard, to rear of wheel.

Drive configuration:

- All wheel drive.

Towing:

- 750kg

Performance:

- Maximum power: 294 kW
- 0 to 100km/h: 4.8 sec

IMPORTANT NOTES:

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