



# 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 one not quite equal to the Tesla models S or X. This is due to:

- having a smaller battery than the Tesla Model S or X (90kWh/84.6 usable, as compared to 100kWh in the Tesla's 100kWh) 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 <sup>1</sup>	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.

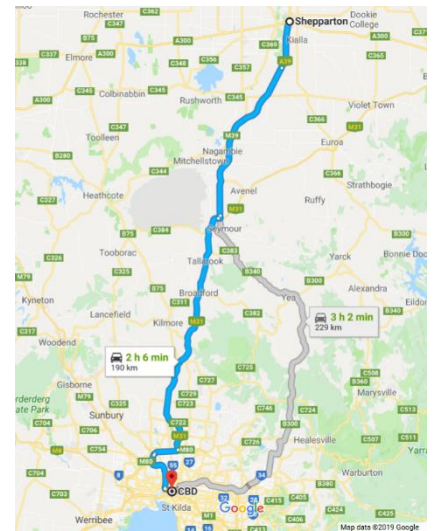


Image: Google maps

(See [Plugshare.com](http://Plugshare.com) for more charging options).

### 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:

- Right-hand rear.

### Drive configuration:

- All wheel drive.

### Towing:

- 750kg

### Performance:

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

## 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. This Fact Sheet is prepared by EV Choice and provided free to AEVA for non-commercial use.**