

EV FACT SHEET

Renault Zoe ZE40



Image: Renault Australia

INTRODUCTION

The Renault Zoe is a 4 door, 5 seat hatchback in the Australian 'small' car category. The model on offer here is the ZE40*.

Available in Europe since 2013, the larger (41 kWh) battery version became available in Australia in late 2017.

It has been the best-selling EV in Europe since 2015 and was voted the **'WhatCar? best electric car'** of the year for 2017.

The Australian ZE40 Zoe was originally offered in two trim levels (Life and Intens), however the vast majority of ZE40 Zoes here are the Intens version. Later in the model run here only the higher spec Intens version was offered.

In August 2020 Renault discontinued bringing the Zoe to Australia, citing poor sales and lack of federal government support for EVs.

Note:

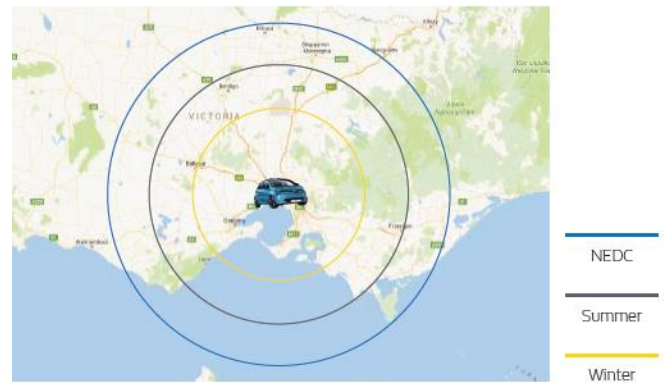
*Production of the ZE40 was discontinued in September 2019. The ZE40 has been replaced in Europe with the ZE50. Features of the ZE50 include a 52kWh battery and optional DC charging at 50kW.

DRIVING RANGE

The ZE40 Zoe has a quoted range of 300 km under the new European WLTP test cycle[#] and 400 using the current Australian mandated (NEDC) test cycle. Renault helpfully quote their real-world driving range as being in the vicinity of 300 km in summer and 200 km in winter.

Note:

WLTP range figures are not yet mandated in Australia.



Zoe Melbourne GPO return trip range

Image: Renault Australia

CHARGING SPEEDS/REQUIREMENTS

Charging port

The Zoe ZE 40 is fitted with a Type 2 AC charging socket. It can charge on either single or three phase AC EVSEs (Electric Vehicle Supply Equipment).



Image: EV highway.net.au

Note: the ZE1 Leaf can be charged at any Type 1 or Type 2 AC EVSE, however an adaptor will be needed to use EVSEs fitted with Type 1 plugs.

AC charging:

The Zoe is fitted with the 3 phase type 2 AC socket, and can charge at up to 7.2kW single phase and up to 22kW on three phase capable AC EVSEs.

General charging note:

Charging speeds vary on the capacity of the EVSE (Electric Vehicle Supply Equipment) it is connected to and the vehicle battery size. Charging times for the ZE40 Zoe are shown in table 1 below.

EVSE type:				
15 A socket (2.4kW)	16 A 1 phase (3.6 kW)	32 A 1 phase (7.2 kW)	32 A 3 phase (22 kW)	Fast charge DC
20hrs	14–16hrs	7–8hrs	2h 40 min	N/A

Table 1: Charging times for the ZE40 Zoe

DC fast charging

The Renault Zoe does not currently have a DC fast-charge option, however with three phase AC charging it can achieve respectably quick recharging times.

HOME CHARGING CONSIDERATIONS

General

To take good advantage of the efficiencies of the Zoe's inbuilt 'Chameleon' charger, it would be best to install a 32A (7kW) capable mode 2 EVSE.

Important note:

Renault have released the following warning against charging the Zoe primarily with a low power portable EVSE plugged into a 10A outlet:

"Renault advises customers not to use a portable charger as the primary charging option as it may detrimentally affect the battery resulting in costly repairs".

If you have three phase supply available (and your switchboard and incoming supply can support it) you can gain significantly faster charging speeds by installing a three phase EVSE. (See charging speed table for details).

15A power point charging note:

The Zoe can be trickle charged using a 15A power point, (see note above re Renault recommending against this as the primary charging option) but you will need to buy an aftermarket portable EVSE as Renault do not provide one with the Zoe.

Important note for any EVSE installation:

Switchboard and or electrical supply upgrades may be needed if your home is more than 20 years old. (See fact-sheet on 'Making your home EV ready', or read articles in: (a) EV News, (AEVA newsletter) issue 231, or (b) ReNew magazine edition 143.

SPECIFICATIONS

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

- Boot under parcel shelf: 338
- Rear seat folded, loading space to roof: 1,225

Dimensions:

- Overall length 4,084 mm
- Overall width (edge of doors): 1,730 mm
- Overall width (edge of mirrors): 1,945 mm
- Max. boot access width 941 mm
- Lower boot access width 899 mm
- Interior width between wheel arches 1,037 mm
- Boot opening height 685 mm
- Max. loading length with rear bench seat folded down: 1,426 mm
- Height under parcel shelf: 622 mm
- Loading length behind bench seat 580 mm

Battery:

- 41 kWh, Lithium-ion

Energy consumption: (Australian/NEDC test cycle)

- 13.3 kWh/100km

Kerb weight:

- 1,480 kg

Maximum power:

- 65kW

0-100 km/h time:

- 13.5 sec

WHERE TO BUY

Only selected Renault dealers in Australia stock the Renault EV range – however there is at least one ZE dealer in each capital city.

Note:

AEVA, publishers of this Fact Sheet, accept no responsibility for opinions expressed, designs or ideas contained herein, or for errors factual or due to reproduction.