



Image: Renault Australia

INTRODUCTION

The Renault Kangoo ZE is the BEV (Battery Electric Vehicle) version of Renault's popular Kangoo van.

It has been the world's top selling all-electric light van, with global sales of 29,523 units delivered through to the end of 2017.

In Australia, the Kangoo ZE is only offered in the 'Maxi van' size, although it is offered in three sizes in Europe.

Available with a 22 kWh battery in Europe since 2013, the larger (33 kWh) battery version became available in Australia in late 2017. (NB: There are a very few 22 kWh Kangoo ZE vans available second-hand in Australia following trials with selected business in 2014 - 17).

The currently quoted price (as of August 2018) for a Kangoo ZE is \$52,999 drive-away.

DRIVING RANGE

The Kangoo ZE with the 33 kWh battery has a quoted NEDC range of 270 km, but the real-world driving range is in the vicinity of 200 km in summer and 120 km in winter.



Kangoo ZE Melbourne GPO return trip range
(Image: Renault Australia)

CHARGING PORT AND OPTIONS

Charging port

The Kangoo ZE is fitted with a Mennekes type 2 socket. It can charge at a maximum of 32A on a single phase AC EVSEs (Electric Vehicle Supply Equipment).



Image: EV highway.net.au

AC charging

Note: Charging speeds vary depending on the capacity of the EVSE it is connected to, as shown below:

EVSE type:				
15 A socket	16 A 1 phase (3.6 kW)	32 A 1 phase (7.2 kW)	32 A 3 phase (22 kW)	Fast charge DC
20hrs	12 hrs	6 hrs	N/A	N/A

Fast charging

The Kangoo ZE does not currently have either 3 phase AC or DC fast-charge options.

HOME/BUSINESS CHARGING CONSIDERATIONS

General

To get the fastest possible charging speed for a Kangoo ZE (6 hrs to a full-charge from empty), it would be best to install a 32A (7 kW) capable mode 2 EVSE.

Note that an EVSE for a Kangoo ZE will need to have a type 2 (Mennekes) plug (tethered lead type) or socket (BYO lead type).

The Kangoo ZE will also charge using a 16A EVSE or 15A power point, but it will be slower. (See section 3.2).

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, (ATA magazine) edition 143.

SPECIFICATIONS

Versions

The Australian version of the Kangoo ZE comes in one size and version.

Specifications:

Dimensions:

- Overall length: 4,666 mm
- Overall width with/without door mirrors: 1,829/2,138 mm
- Unladen height: 1,810/1,836 mm
- Cargo bay height (max): 1,252 mm
- Rear width 1 m from sill bar: 1,141 mm
- Rear width 100 mm from sill bar: 1,219 mm
- Max interior width between wheel arches: 1,218 mm
- Loading height: 1,129 mm
- Effective loading: length: 1,862 mm
- Maximum Load volume: 4.6 m³
- Loading Length: 2,115 mm
- Load volume: 4.0 m³
- Payload: 650 kg
- Kerb weight – empty, without options: 1,585 kg
- Gross vehicle weight: 2,190 kg
- Gross train weight: 2,512 kg
- Unbraked trailer: 322 kg
- Braked trailer: 322 kg

Battery: 33 kWh, Lithium-ion

Energy consumption: (NEDC test cycle): 159 Wh/km

Kerb weight: 1,585 kg

Peak power: 44 kW (60h.p.)

Peak torque: 225 Nm

WHERE TO BUY

As of August 2018, there are four Renault dealers in Australia that stock the Renault EV range.

Victoria:

Barry Bourke Renault:
755 Princes Hwy, Berwick, Victoria 3806

New South Wales:

Sydney City Renault
93 O'Riordan Street, Alexandria, NSW 2015

South Australia:

Unley Renault
284 Unley Road, Hyde Park, SA 5061

West Australia:

Melville Renault
164 Leach Highway, Melville, WA 6156

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