



EV FACT SHEET

LDV eT60 ute

Created and written by:
Bryce Gatton
Contact:
Bryce@EVChoice.com.au



LDV eT60. Image: LDV

INTRODUCTION

The first full electric ute to hit the Australian market, it (along with the eDeliver van Mifa9 electric people mover that were launched alongside the eT60) marks the first serious entry of EVs into the light commercial vehicle market. The LDV eT60 is a two wheel drive, dual-cab ute built by Chinese manufacturer LDV. It comes with a payload rating of 1000kg, a tow rating of 1000 kg (braked) and a WLTP driving range of 330 km. (Which drops by 50% when towing the maximum load).

It is also worth noting that as at release (Dec 2022) there is a significant pricing anomaly for the eT60. Released in New Zealand for \$79,990 on-the-road, based on the usual price differential between Australia and NZ, the eT60 was expected to arrive here at perhaps mid-\$70k on the road. Instead, it was released here at \$93,000 plus on road costs. Hopefully, some further EV ute competition will arrive soon to encourage LDV to reduce that price!

DRIVING RANGE

Currently, the official Australian ADR 81/02 test cycle is based on the outdated (and highly over-optimistic) European NEDC test cycle. However few manufacturers now give this figure for their new releases. Instead they quote the more achievable ranges found using the newer European WLTP test cycle.

Therefore, to avoid disappointment always check which test cycle has been used when assessing an EV for your needs. As a guide, NEDC is generally 30% too high, WLTP a good estimate if doing mostly urban and outer suburban driving and US EPA the better guide if doing mostly outer suburban to regional driving. (Currently, only WLTP figures are available for the eT60).

DRIVING RANGE (continued)

National testing system range estimates		
NEDC (Aust)	WLTP (Euro)	US EPA
Not rated	330	Not sold in US

Using a conservative WLTP range, the eT60 should manage a return day-trip from the Melbourne GPO to Cowes on Phillip Island, provided the heater or air

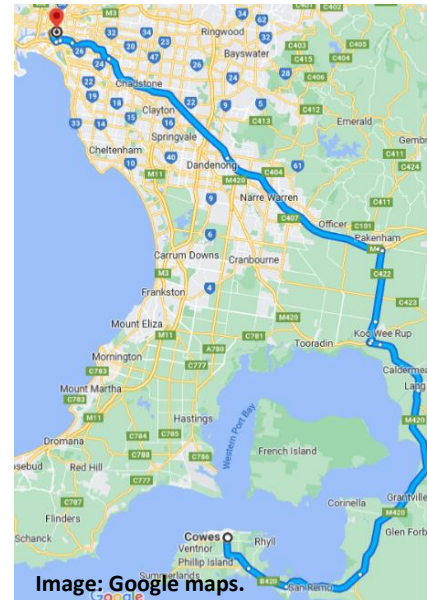


Image: Google maps.

visit: <https://www.plugshare.com/>

conditioner are not heavily used. For this sort of trip, a 30 min DC fast-charge at Cowes over lunch or perhaps a slight detour to do a 1hr top-up charge at the 7kW AC wall charger at the Kilcunda Hotel would be recommended. For further charging options and locations,

CHARGING SPEEDS/REQUIREMENTS

Charging port

The eT60 is fitted with a CCS2 socket allowing it to charge via Type 2 AC chargers¹ as well as via CCS2 DC fast-chargers.



CCS2 charging plug and socket

Notes:

1. The eT60 can be charged at any AC EVSE, however an adaptor will be needed to use the (very few) remaining older EVSEs fitted with Type 1 (J1772) plugs.

CHARGING SPEEDS/REQUIREMENTS (CONTINUED)

AC charging:

Like all new EVs sold in Australia, the eT60 is fitted with a type 2 AC socket as part of the CCS2 AC/DC charge plug system.

Charging rates:

Single phase: maximum of 7.4 kW (32A)

Three phase: maximum of 11 kW (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 eT60 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)
44h	25h	13.5h	9h	1.6h	1h

Table 2: Approximate charging times for the BYD eT60

DC fast charging:

The eT60 uses the CCS2 DC fast-charge connector and can charge at up to 80 kW.

V2X capability:

The eT60 is capable of V2L, but not V2H or V2G.

Notes:

V2X is the generic term covering the options of getting 230V AC power from the battery and supplying it as:

- V2L: vehicle to load (230V power available from outlet in car)
- V2H: vehicle to home (supply home via special connection)
- V2G: vehicle to grid (supply home or grid via spec. connection)

HOME CHARGING CONSIDERATIONS

General

To get the shortest home charging time for the eT60, 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 notes below). Lower capacity EVSEs will increase charging times, as shown in table 2 above.

The eT60 also comes with a Mode 2 portable EVSE for use with a 10A power point. Charging an eT60 with this EVSE will take around 44 hrs for a 0 – 100% charge.

Important notes for any 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 or business is more than 20 years old. For more information on this item - read EV Information articles at EVchoice.com.au or see:
 - (a) Renew magazine edition 143. (EVSE wiring)
 - (b) Renew magazine edition 156. (EVSE buyer's guide)

SPECIFICATIONS

Seating capacity: 5

Tub internal dimensions:

- Height: 520mm
- Length: 1485
- Widest point: 1510
- Width between wheel arches: 1129mm

'Froot' (under bonnet 'front boot'):

- No froot

Dimensions:

- Overall length: 5365 mm
- Overall width: 1900/2144 mm (mirrors in/out)
- Overall height: 1809 mm

Battery:

- 88.55 kWh

Charging:

- 1 phase AC: 7.4 kW (maximum)
- 3 phase AC: 11kW (maximum)
- DC: 80 kW (maximum)

Charge port location:

- Left-hand rear (above wheel arch)

Vehicle to Load connection:

- Rear passenger console

Energy consumption: (WLTP):

- 26.85 kW/100km

Kerb weight:

- 2300 kg

Drive configuration:

- Rear wheel drive

Towing:

- Braked trailer: 1,000 kg
- Non-braked trailer: 750 kg

Performance:

- Maximum power: 130 kW
- 0 – 100km/hr: not specified.

IMPORTANT NOTES:

Always check for the latest vehicle specifications with the manufacturer prior to any purchase. No responsibility accepted by AEVA or Bryce Gatton (EV Choice) 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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