



EV FACT SHEET

Deepal E07

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Deepal E07. Image: Deepal.

INTRODUCTION

It is a ute? Is it an SUV? Or is it a more adaptable Cinderella to Tesla's polarising Cybertruck? The Deepal E07 is certainly a mould-breaking multipurpose vehicle combining up to 5 seat SUV comfort with the capacity to open the glass roof and fold the tailgate down to form a flat-bed, open top ute. In addition, it has the capacity to fold the rear seats flat to lengthen the carrying area further in both enclosed SUV and open top ute modes.

The E07 is built in China by new Chinese vehicle brand Deepal. Built there in both PHEV and BEV versions, only the BEV is sold here. Whilst difficult to fully categorise, it is formally classed here as a large SUV. With its central screen, minimal buttons and no driver's display – the E07 certainly has adopted many of Tesla's minimalist design cues, which may/may not appeal to intending buyers.

It does though have a few downsides if planning to use it as a work vehicle. There is no spare wheel, and its payload and tow ratings are relatively low at 610kg and 1500kg (braked) respectively. It does however have a class-leading V2L capacity of up to 6.6kW at 220V AC.

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Currently, the official Australian ADR 81/02 test cycle is based on the outdated (and highly over-optimistic) European NEDC test cycle.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 generally quote the more achievable ranges found using the newer European WLTP test cycle.

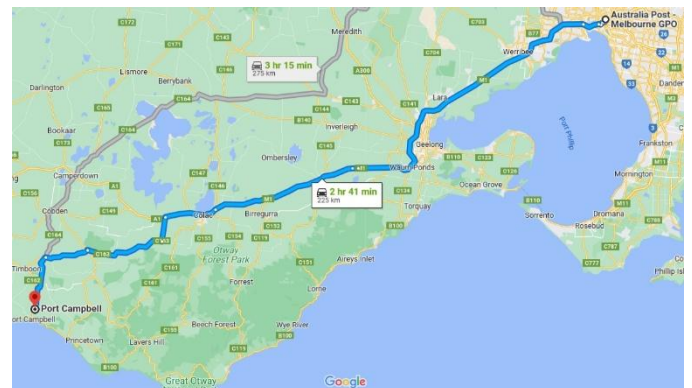
Therefore, to avoid disappointment always check which test cycle has been used when assessing an EV for your needs. As a rough guide, NEDC is generally 30% too high, WLTP a good estimate if doing mostly urban and outer suburban driving and US EPA the better guide if doing mostly outer suburban to regional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

DRIVING RANGE (continued)

Testing system range estimates			
Variant	NEDC (Aust ADR 81/02)	WLTP (Euro)	EPA (USA)
Rear-wheel drive	Not rated	550 km	NA ¹
All-wheel drive	Not rated	510 km	NA ¹

Table 1: Driving range estimates for the Deepal E07.

Using the WLTP number with a roughly 10% discount for extended highway driving, a Deepal E07 should, at its limit, make a round-trip from the Melbourne CBD to Port Campbell (on Victoria's South coast) – provided the heating or air conditioning are not heavily used. For this sort of trip, a short DC top-up charge in at one of the many DC charger sites popping up on this route would be recommended. For further charging options and availability, see: <https://www.plugshare.com/>



Example Deepal E07 return trip range. Image: Google maps

CHARGING SPEEDS/REQUIREMENTS

Charging port

The Deepal E07 is fitted with a CCS2 socket allowing it to charge via Type 2 AC chargers² as well as CCS2 DC fast-chargers.



Notes:

1. The E07 is not sold in the USA
2. The E07 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 Deepal E07 is fitted with a type 2 AC socket.

Charging rates:

Single phase: maximum of 7 kW (30A)

Three phase: maximum of 7 kW (Single phase only)

Charging speeds vary on the capacity of the EVSE (Electric Vehicle Supply Equipment) the car is connected to. Approximate AC charging times for the Deepal E07 are shown in table 2.

AC: 0 – 100% time				DC: 0 – 80% time	
10 A (power point)	15 A 1 phase (Caravan outlet)	32 A (1 ph. Home EVSE)	16 or 32 A (3 phase public AC EVSE)	DC Fast charge (50kW)	DC Fast charge (240+kW)
39h	26h	13h	16A: 26h 32A: 13h	90m	21m

Table 2: Approx. charging times for the Deepal E07.

DC fast charging

The Deepal E07 uses the CCS2 DC fast-charge connector and can charge at up to 240 kW DC.

V2X capability:

The Deepal E07 offers V2L at up to 6.6 kW.

Important note: the V2L output voltage from the E07 is at the Chinese 220V AC standard, not the Australian 230/240V. Whilst unlikely to affect most Australian appliances, it is recommended to ensure 220V AC is suitable for your intended usage.

Notes re V2X:

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 car outlet)
- 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 Deepal E07, a 7 kW single phase AC charger would be needed. However, depending on your existing power supply and/or charging needs, it may only be practicable to fit a lower rated EVSE. (See notes below). Lower capacity EVSEs will increase charging times, as shown in table 2.

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 – see Fact Sheets at [EVchoice.com.au](https://www.evchoice.com.au) or read articles in:
 - (a) Renew magazine edition 143. (EVSE wiring)
 - (b) Renew magazine edition 156. (EVSE buyer's guide)

SPECIFICATIONS

Seating: 5

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

- Boot:
 - All seats up: 524
 - Rear seats down: 1,654
- Froot (front-boot): 131

Dimensions:

- Overall length: 5,045 mm
- Overall height: 1,680 mm
- Ground clearance: 223/183/133 mm*
- Overall width (edge of doors): 1,996 mm
- Overall width (edge of mirrors): Not provided
- * Air suspension: high/medium/low settings

Battery:

- 90 kWh (useable TBC)

Energy consumption: WLTP

- Not yet available.

Kerb weight:

- 2,320 kg (RWD)
- 2,440 kg (AWD)

Charging:

- 1 phase AC: 7 kW max.
- 3 phase AC: 7 kW max.
- DC: 240 kW max.

Charge port location:

- Left-hand rear corner.

Drive configuration:

- Rear-wheel drive (RWD)
- All-wheel drive (AWD)

Towing: (unbraked/braked)

- 750/1500 kg

Spare wheel: No

Performance:

Version	Max. power/torque (kW/Nm)	0 to 100km/h (Sec)
RWD	252/365	6.7
AWD	440/645	3.96

IMPORTANT NOTE

Always check all specifications with the manufacturer prior to any purchase. No responsibility accepted by AEVA or Bryce Gatton (EVchoice) 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.