



# EV FACT SHEET

## BYD Sealion 7

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2023 BYD Sealion 7. Image: BYD

### INTRODUCTION

The BYD Sealion 7 is the fourth full BEV passenger car offering to be brought to Australia from Chinese manufacturer, BYD. Production of the model began in 2024, with Australian sales beginning in early 2025. Built on the same dedicated electric car platform as its stablemates the Atto 3 small SUV and Seal medium passenger sedan, the Sealion 7 is classified in Australia as a medium SUV, although in looks it could be described more as a crossover with its sweeping rear profile.

Like all other BYD vehicles, the Sealion 7 can only be purchased online. However, like Tesla and Polestar, BYD 'experience centres' for viewing, test-drives and support to complete the order process are either open or being built in most state/territory capitals (See [BYD](#) website for locations). Servicing and warranty work is done through BYD service centres as well as the independent mycar network.

### 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Currently, the official Australian ADR 81/02 test cycle is based on the outdated (and highly over-optimistic) European NEDC test cycle.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.

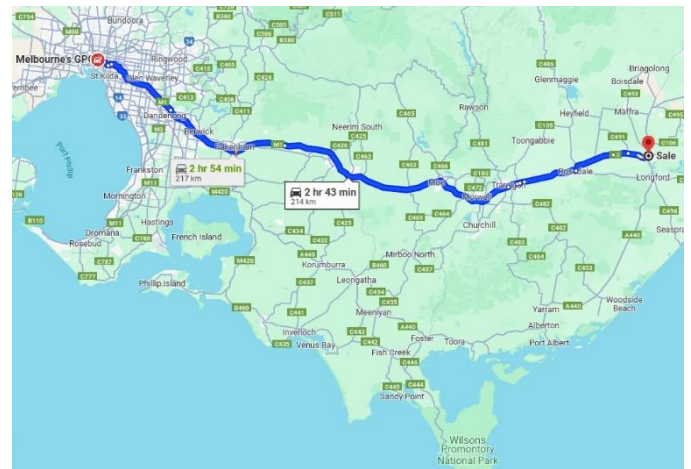
**Note: Sadly, BYD are one of the few who still prominently display NEDC range figures on their website, however their website and vehicle brochures do now list the WLTP numbers alongside NEDC.**

### DRIVING RANGE (continued)

Version	National testing system range estimates:		
	NEDC (Aust)	WLTP (Euro)	US EPA
Premium	567 km	482 km	NA <sup>1</sup>
Performance	542 km	456 km	NA <sup>1</sup>

Table 1: Driving range estimates for the BYD Sealion 7.

Using the WLTP rating (with a slight discount for extended highway use) a Premium (2WD) version of the Sealion 7 should, at its limit, make a round-trip from the Melbourne CBD to Sale in Victoria's east Gippsland region, provided the heating or air conditioning were not heavily used. For this sort of trip, a short en-route DC top-up charge would be recommended at one of the many DC fast-chargers on this route, including Warragul, Moe, Traralgon or Sale itself. (For further charging options and availability, see: <https://www.plugshare.com/> ).



Typical BYD Sealion 7 return trip range. Image: Google maps

### CHARGING SPEEDS/REQUIREMENTS

#### Charging port

The BYD Sealion 7 is fitted with a CCS2 socket allowing it to charge via Type 2 AC chargers<sup>2</sup> as well as CCS2 DC fast-chargers.



CCS2 charging plug and socket

#### Notes:

- The Sealion 7 is not sold in the USA.
- The Sealion 7 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. It will also only charge at a maximum of 7 kW on a Type 1 plug EVSE.

## CHARGING SPEEDS/REQUIREMENTS (CONTINUED)

### AC charging:

Like all new EVs sold in Australia, the BYD Sealion 7 is fitted with a type 2 AC socket.

### Charging rates:

**Single phase:** maximum of 7 kW (32A)

**Three phase:** maximum of 11 kW (16A per phase)

Charging speeds vary on the capacity of the EVSE (Electric Vehicle Supply Equipment) the car is connected to. Approximate AC charging times for the Sealion 7 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 (150+kW)
35h	23h	11.5h	16A: 7.7h 32A: 7.7h	80m	30m

Table 2: Approx. charging times for Sealion 7

### DC fast charging

The BYD Sealion 7 uses the CCS2 DC fast-charge connector and can charge at up to 150 kW DC.

### V2X capability:

The BYD Sealion 7 offers V2L functionality through a plug-in adaptor for the AC charge socket.

#### 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 BYD Sealion 7, an 11kW 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](http://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 behind seats/under parcel shelf: 500
- Rear seat folded, load space to roof: Not provided
- Froot: 58 (Froot = front boot)

### Dimensions:

- Overall length: 4,830 mm
- Overall height: 1,620 mm
- Ground clearance: 140 mm
- Overall width (edge of doors): 1,925 mm
- Overall width (edge of mirrors): Not provided

### Battery:

- 82.56 kWh (usable)

### Energy consumption: (WLTP)

- 19.9 kWh/100 km (Premium)
- 21.4 kWh/100 km (Performance)

### Kerb weight:

- 2,225 kg (Premium)
- 2,340 (Performance)

### Charging:

- 1 phase AC: 7 kW maximum.
- 3 phase AC: 11 kW maximum.
- DC: 150 kW maximum.

### Charge port location:

- Right-hand rear (above rear wheel).

### Drive configuration:

- rear-wheel drive (Premium)
- All-wheel drive (Performance)

### Towing:

- Premium: 750kg/750kg (unbraked/braked)
- Performance: 750kg/1,500kg (unbraked/braked)

### Spare tyre: No

### Performance:

Variant:	Max. Power (kW)	0 to 100km/h (Sec)
Premium	230	6.7
Performance	390	4.5

## 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.