



# EV FACT SHEET

## Genesis GV60

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Genesis GV60. Image: Genesis

### INTRODUCTION

The Genesis GV60 was released for sale globally in late 2021, with Australian sales beginning in 2022.

As Genesis is the luxury brand within the Hyundai Motor Company stable, it should come as no surprise that the GV60 shares Hyundai's new EV dedicated platform with both the Hyundai Ioniq 5 and Kia EV6. Setting it apart from the Ioniq 5 and EV6 are the Genesis exterior styling cues, as well as a more luxurious interior. However, when it comes to battery size, charging and motor configurations, all three vehicles are virtually identical.

The GV60 is classed in Australia as a 'medium SUV' and being based on the E-GIMP platform has significant more interior space than an internal combustion engine equivalent of the same size category. However, when it comes to interior space – it does feel slightly more 'cosy' than its Ioniq 5 stablemate due to its sloping rear roofline and different interior fit-out.

### DRIVING RANGE

Australian test standards are currently in a state of flux, with the Australian GVG (Green Vehicle Guide<sup>1</sup>) showing some vehicle driving ranges using either the old (and highly over optimistic) figure derived using ADR 81/02 (based on the European NEDC test cycle) or the newer European WLTP test cycle figure. Unfortunately, it is also not easy to find out which test cycle was used to give a particular GVG figure! For around town, the WLTP figure is the best guide to driving range or, if doing outer suburban to regional driving – use the US EPA figure.

National testing system range estimates			
Model	NEDC (Old Aust)	WLTP (Euro)	US EPA
AWD	Not rated	470	397
AWD Perf.	Not rated	466	376

Table 1: Driving range estimates for the Genesis GV60

### DRIVING RANGE (continued)

Using the WLTP range – a Genesis GV60 should manage a return day-trip from the Melbourne GPO to Ararat in the central west of Victoria, provided the heater or air conditioner are not heavily used. Top-up charging options include a 1hr AC charge at Ararat's Elizabeth Park over lunch, or a 10 – 15 minute DC fast charge at Ballarat Central on the way there or back. For further charging options and locations, visit:

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

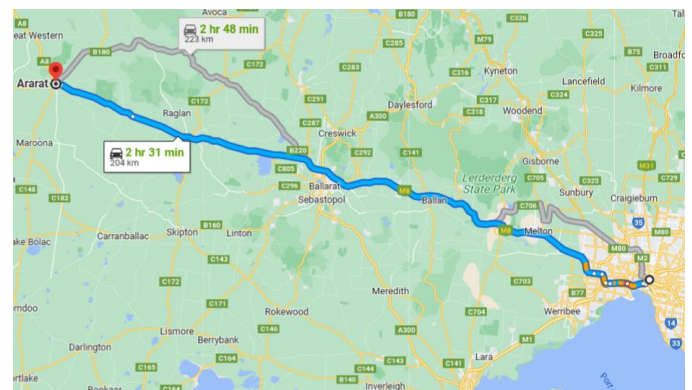


Image: Google maps

### CHARGING SPEEDS/REQUIREMENTS

#### Charging port

The GV60 is fitted with a CCS2 socket allowing it to charge via Type 2 AC chargers<sup>2</sup> as well as via CCS2 DC fast-chargers.



CCS2 charging plug and socket

#### Notes:

- <https://www.greenvehicleguide.gov.au>
- The GV60 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 GV60 is fitted with a type 2 AC socket as part of the CCS2 AC/DC charge plug system.

### Charging rates:

**Single phase:** maximum of 7.4kW (32A)

**Three phase:** 11kW (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 GV60 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)
33h	21.5h	10.7h	7h	1.6h	18m

Table 2: Approximate charging times for the Genesis GV60

### DC fast charging:

The GV60 uses the CCS2 DC fast-charge connector and can charge at up to 233kW.

This connector is fast becoming the majority DC fast-charge connector type in both Australia and overseas.

## HOME CHARGING CONSIDERATIONS

### General

To get the shortest home charging time for the GV60, 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 GV60 also comes with a Mode 2 portable EVSE for plugging into a 10A power point. Charging a GV60 with this EVSE will take around 33 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:  
(b) Renew magazine edition 143. (EVSE wiring)  
(c) Renew magazine edition 156. (EVSE buyer's guide)

## SPECIFICATIONS

**Seating capacity:** 5

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

- Seats up: 432 L
- Seats down: 1406 L

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

- 20L

**Dimensions:**

- Overall length: 4515 mm
- Overall width: 1890 mm (mirrors in)
- Overall height: 1595 mm

**Battery:**

- 77.4 kWh (Approximately 72.5 useable)

**Charging:**

- 1 phase AC: 7.4kW max.
- 3 phase AC: 11kW max.
- DC: 233kW max.

**Charge port location:**

- Right-hand side, rear.

**Energy consumption: (WLTP)**

- 188 Wh/km (AWD)
- 191 Wh/km (AWD Performance)

**Kerb weight:**

- 2100 kg (AWD)
- 2160 kg (AWD Performance)

**Drive configuration:**

- All Wheel Drive

**Towing:**

- 1600 kg braked/750 kg unbraked.

**Performance:**

Variant	Max. Power (kW)	0 to 100km/h (Sec)
AWD	234	5.5
AWD Performance	320	4.0

## IMPORTANT NOTES:

**Always check the 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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