



# EV FACT SHEET

## GWM Ora

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2023 GWM Ora. Image: GWM

### INTRODUCTION

The GWM Ora (known in some overseas markets as either the Ora Good Cat or Ora Funky Cat) is built by Chinese manufacturer Great Wall Motors (GWM). The Ora arrived here in mid-2023 and is the first full battery electric vehicle (BEV) from GWM to be brought to Australia. It was also one of the first BEVs in Australia to break the under \$40k price barrier with a July 2023 starting price of \$39,990 for the 43kWh standard range version. (Before on-road-costs or applying subsidies). The Ora is currently (as of September 2023) offered with two battery sizes:

- Standard Range: 46 kWh (45.4 usable) and
- Extended Range: 63 kWh (59.3 usable)

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Currently, the official Australian ADR 81/02 test cycle is based on the outdated (and highly over-optimistic) European NEDC test cycle.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

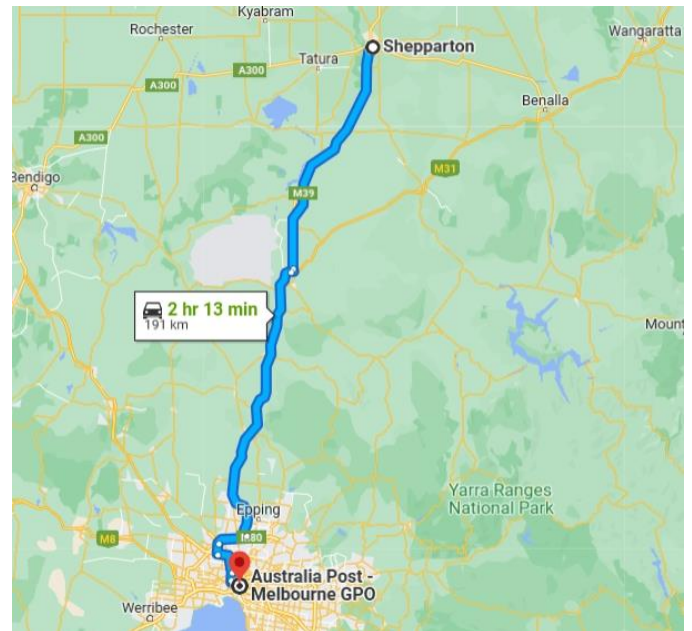
Therefore, to avoid disappointment always check which test cycle has been used when assessing an EV for your needs. As a rough guide, NEDC is generally 30% too high, WLTP a good estimate if doing mostly urban and outer suburban driving and US EPA the better guide if doing mostly outer suburban to regional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

Version	National testing system range estimates:		
	NEDC (Aust)	WLTP (Euro)	US EPA
48 kWh	400 km	310 km	Not applicable <sup>1</sup>
63 kWh	500 km	420 km	Not applicable <sup>1</sup>
63 kWh GT	unavailable	400 km	Not applicable <sup>1</sup>

Table 1: Driving range estimates for the GWM Ora.

### DRIVING RANGE (continued)

Using the WLTP rating (with a slight discount for extended highway use) a GWM Ora fitted with the 63 kWh battery would, at its limit, make a round-trip from the Melbourne CBD to Shepparton in Victoria's north – provided the heating or air conditioning were not heavily used. For this sort of trip, a short DC top-up charge at the Tesla Supercharger (now open to all CCS socket EVs) in Shepparton would be recommended. Alternatively, you could include a visit to the Shepparton Art Museum and use the 11 kW AC charger whilst there. There are also a number of DC charger options on the route between Melbourne and Shepparton. (For further charging options and availability, see: <https://www.plugshare.com/> ).



Typical GWM Ora return trip range. Image: Google maps

### CHARGING SPEEDS/REQUIREMENTS

#### Charging port

The GWM Ora 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:

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

### Charging rates:

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

**Three phase:** 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 GWM Ora 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 (80+kW)
48kWh: 24h	13.3h	6.5h	16A: 4.4h	46m	1h
63kWh: 32h	17.5h	8.5h	16A: 5.75h	1h	40m

Table 2: Approximate charging times for the two battery sizes

### DC fast charging

The GWM Ora uses the CCS2 DC fast-charge connector and, according to the Australian Ora data sheet, can charge at up to 80 kW DC. (**Note:** some overseas real-world testing sites give lower figures of around 64 kW for the Std. Range and 67 kW for the Ext. Range).

### V2X capability:

The GWM Ora is not capable of V2L, 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 GWM Ora, a three phase, 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 under parcel shelf: 228
- Rear seat folded: 858

### Dimensions:

- Overall length: 4,325 mm
- Overall height: 1,603 mm
- Ground clearance: 120 mm
- Overall width (edge of doors): 1,825 mm
- Overall width (edge of mirrors): not specified

### Battery:

- Standard Range: 46 kWh (45.4 kWh usable)
- Extended Range: 63 kWh (59.3 kWh usable)

### Energy consumption: (WLTP)

- 16.7 kWh/100 km (46 kWh battery)
- 16.5 kWh/100 km (63 kWh battery)
- 16.8 kWh/100 km (63 kWh GT version)

### Kerb weight:

- 1,540 kg (48 kWh)
- 1,580 kg (63 kWh)

### Charging:

- 1 phase AC: 7.2 kW max.
- 3 phase AC: 11 kW max.
- DC: 80 kW max

### Charge port location:

- Rear of left-hand front guard.

### Drive configuration:

- Front-wheel drive

### Towing:

- Not rated for towing

### Performance:

Variant:	Max. Power (kW)	0 to 100km/h (Sec)
Std Range: 46 kWh	126	8.4
Ext Range: 63 kWh	126	8.4
GT: 63 kWh	126	8.5

## 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.