



# EV FACT SHEET

## MG: MG4

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MG4. Image: MG

### INTRODUCTION

Introduced here in 2023, the MG4 is the second full battery electric vehicle (BEV) from MG to be brought to Australia. Fully built in China (MG are currently owned by the Chinese SAIC Motor Group), the MG4 is built on a dedicated EV-only platform. (Unlike the MG ZS which is based on the existing petrol MG ZS small SUV).

As of October 2023, the MG4 is offered in five variants:

- Excite 51
- Excite 64
- Essence 64
- Long Range 77
- XPower 64

**Note:** the numbers after the variant name refer to the battery size in kWh.

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Currently, the official Australian ADR 81/02 test cycle is based on the outdated (and highly over-optimistic) European NEDC test cycle.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

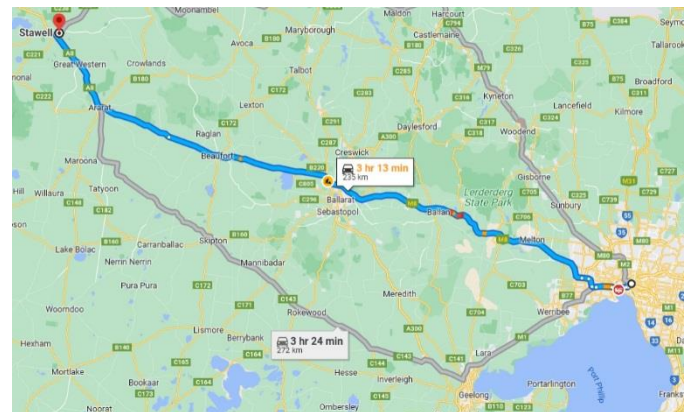
Therefore, to avoid disappointment always check which test cycle has been used when assessing an EV for your needs. As a rough guide, NEDC is generally 30% too high, WLTP a good estimate if doing mostly urban and outer suburban driving and US EPA the better guide if doing mostly outer suburban to regional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

### DRIVING RANGE (continued)

Version	National testing system range estimates:		
	NEDC (Aust)	WLTP (Euro)	US EPA
Excite 51	405 km	350 km	NA <sup>1</sup>
Excite 64	535 km	450 km	NA <sup>1</sup>
Essence 64	505 km	435 km	NA <sup>1</sup>
L. Range 77	590 km	530 km	NA <sup>1</sup>
XPower 64	Not specified	385 km	NA <sup>1</sup>

Table 1: Driving range estimates for the MG4.

Using the WLTP rating (with a 10% discount for extended highway use) a Long Range MG4 with the 77 kWh battery would, at its limit, make a round-trip from the Melbourne CBD to Stawell in Victoria's west – provided the heating or air conditioning were not heavily used. For this sort of trip, a short DC top-up charge in Ararat, Beaufort, Ballarat Central or Warrenheip (6.5 km east of Ballarat on the Western Highway) would be recommended. (For further charging options and availability, see: <https://www.plugshare.com/> ).



Typical MG4 LR 77 return trip range. Image: Google maps

### CHARGING SPEEDS/REQUIREMENTS

#### Charging port

The MG4 is fitted with a CCS2 socket allowing it to charge via Type 2 AC chargers<sup>2</sup>, CCS2 DC fast-chargers and a growing number of Tesla Superchargers.



CCS2 DC charging plug and CCS2 socket

#### Notes:

1. The MG4 is not sold in the USA.
2. The MG4 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 MG4 is fitted with a type 2 AC socket.

### Charging rates:

**Single phase:** maximum of 6.6 kW (32A)

**Three phase: (77 kWh LR only).** 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 0 – 100% and DC 0 – 80% 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)
51 kWh: 26h	14.2h	7.5h	14.2h (16A) 7.5 (32A)	45m	42m
64 kWh: 32h	17.8h	9h	17.8h (16A) 9h (32A)	68m	32m
77 kWh: 39h	21.4h	11h	7h (16A) 7h (32A)	85m	43m

Table 2: Approx. charging times for the three MG4 battery sizes,

### DC fast charging

The MG4 uses the CCS2 DC fast-charge connector and can charge at up to 88kW DC for the 51 kWh battery, 140 kW (64 kWh battery) and 144 kW (77 kWh battery).

### V2X capability:

The MG4 offers V2L functionality up to 9A (2200W) 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 MG4, either a 6.6kW charger (51 and 64kWh battery versions) or an 11kW AC charger (77kWh battery) 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

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

- Boot under parcel shelf:
  - 363 (Excite 51 and 64)
  - 350 (Essence 64 and Long Range 77)
- Rear seat folded, loading space to roof:
  - 1,177 (Excite 51 and 64)
  - 1,165 (Essence 64 and Long Range 77)

### Dimensions:

- Overall length: 4,287 mm
- Overall height: 1504 mm
- Ground clearance: 147 - 158 mm (Depending on variant)
- Overall width (edge of doors): 1836 mm
- Overall width (edge of mirrors): 2060 mm

### Battery:

- 51 kWh (50.8 usable) LFP
- 64 kWh (61.7 usable) NCM
- 77 kWh (74.4 usable) NCM

### Energy consumption: (WLTP)

- 18.4 kWh/100 km (Excite 51)
- 13 kWh/100 km (Excite 64)
- 13.8 kWh/100 km (Essence 64)
- 14 kWh/100 km (Long Range 77)

### Kerb weight:

- 1635 - 1748 kg, depending on version

### Charging:

- AC: 1 phase, 6.6 kW max.
- AC: 3 phase, 11 kW max. (77kWh battery only)
- DC: 88/140/144 kW max (51/64/77 kWh battery)

### Charge port location:

- Left-hand rear quarter panel.

### Drive configuration:

- Rear-wheel drive
- All-wheel drive (XPower 64 only)

### Towing:

- 500kg/500kg (Braked/unbraked)

### Performance:

Variant:	Max. Power (kW)	0 to 100km/h (Sec)
51 kWh	125	7.7
64 kWh	150	7.2
77 kWh	180	6.5
64 kWh XPower	320	3.8

## 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.