



EV FACT SHEET

Mercedes EQE SUV

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2023 Mercedes EQE SUV. Image: Mercedes

INTRODUCTION

The Mercedes EQE SUV is classified by VFACTS as a Large SUV. It is built at the Mercedes plant in Alabama, USA.

Built on Mercedes' dedicated EV-only EVA platform, the Mercedes EQE is offered in both sedan and SUV form. If interested in the sedan version - see separate EQE sedan Fact Sheet.

The EQE SUV was first released for sale in late 2023 in both the European and Australian markets. It is currently offered here (as of November 2023) in four versions:

- EQE 300 (rear wheel drive)
- EQE 350 4matic (all-wheel drive)
- EQE 500 4matic (all-wheel drive)
- EQE AMG 53 4matic+ (all-wheel drive)

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Currently, the official Australian ADR 81/02 test cycle is based on the outdated (and highly over-optimistic) European NEDC test cycle.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

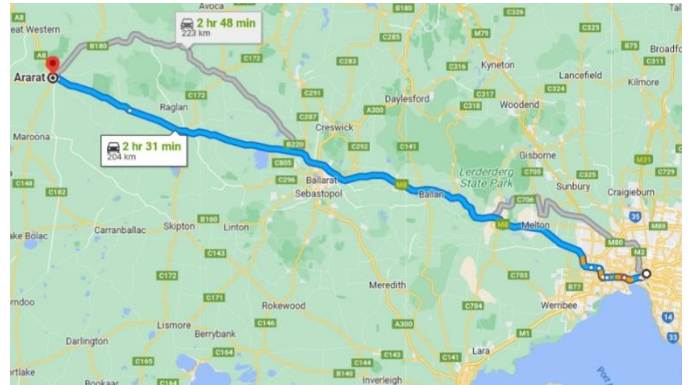
Therefore, to avoid disappointment always check which test cycle has been used when assessing an EV for your needs. As a rough guide, NEDC is generally 30% too high, WLTP a good estimate if doing mostly urban and outer suburban driving and US EPA the better guide if doing mostly outer suburban to regional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

DRIVING RANGE (continued)

Version	National testing system range estimates:		
	NEDC (Aust)	WLTP (Euro)	US EPA
EQE 300	539 km	446 km	NA ¹
EQE 350 4matic	539 km	436 km	407
EQE 500 4matic	534 km	440 km	433
EQE AMG 53	485 km	375 km	NA ¹

Table 1: Driving range estimates for the EQE SUV.

Using the WLTP rating (with a slight discount for extended highway use) an EQE SUV would, at its limit, make a round-trip from the Melbourne CBD to Ararat in Victoria's central west – provided the heating or air conditioning were not heavily used. For this sort of trip, a short DC top-up charge in either Ballarat Central or Warrenheip (6.5 km east of Ballarat on the Western Highway) would be recommended or perhaps plug-in over lunch at the AC charger in Ararat itself. (For further charging options and availability, see: <https://www.plugshare.com/>).



Example Mercedes EQE SUV return trip range. Image: Google maps

CHARGING SPEEDS/REQUIREMENTS

Charging port

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



CCS2 charging plug and socket

Notes:

1. Some US variants not equivalent to Australian specifications.
2. The Mercedes EQE 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 EQE SUV is fitted with a type 2 AC socket.

Charging rates:

Single phase: maximum of 7.2 kW (32A)

Three phase: 11 kW (16A per phase) (AMG: 22kW/32A)

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

AC: 0 – 100% time				DC: 0 – 80% time	
10 A (standard 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 (170+kW)
49h	27h	14h	16A: 9.3h 32A: 4.7h	94m	30m

Table 2: Approx. charging times for the Mercedes EQE

DC fast charging

The EQE uses the CCS2 DC fast-charge connector and can charge at up to 170 kW DC.

V2X capability:

The Mercedes EQE does not currently offer any V2L functionality.

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 EQE, a 22 kW three 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 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: 520
- Rear seat folded: 1,675

Dimensions:

- Overall length: 4,868 mm
- Overall height: 1,685 mm
- Ground clearance: 192
- Overall width (edge of doors): 1,940 mm
- Overall width (edge of mirrors): 2,141 mm

Battery:

- EQE 300 & 350: 98 kWh (89 kWh usable)
- EQE 500 & AMG: 100 kWh (90.5 usable)

Energy consumption: (WLTP)

- 21.1 kWh/100 km (European EQE 300 version)

Kerb weight:

- 2,546 kg (EQE 300)
- 2,678 kg (EQE350 4matic)

Charging:

- 1 phase AC: 7.2 kW max.
- 3 phase AC: 11 kW max. (22 kW for AMG)
- DC: 170 kW max.

Charge port location:

- Right-hand rear corner (in front of tail-light)

Drive configuration:

- rear-wheel drive (EQE 300)
- All-wheel drive (EQE 350 4matic & AMG 53)

Towing: (unbraked kg/braked kg)

- 750/750 (EQE 300)
- 750/1800 (EQE 350 & 500)
- 750/1589 (AMG)

Performance:

Variant:	Max. Power (kW)	0 to 100km/h (Sec)
EQE 300	180	7.3
EQE 350 4matic	215	6.3
EQE 500 4matic	300	4.7
EQE AMG 53	460	3.7

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.