EV FACT SHEET

Mercedes EQE Sedan

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2023 Mercedes EQE sedan. Image: Mercedes-Benz

INTRODUCTION

The Mercedes EQE sedan is classified by VFACTS as a Large Passenger Vehicle. It is built at the Mercedes plant in Bremen, Germany.

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

The EQE sedan was first released for sale in Europe in 2022 and arrived in Australia mid-2023. It is currently offered in Australia (as of November 2023) in three versions:

- EQE 300 (rear wheel drive)
- EQE 350 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Currently, the official Australian ADR 81/02 test cycle is based on the outdated (and highly over-optimistic) European NEDC test cycle.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.

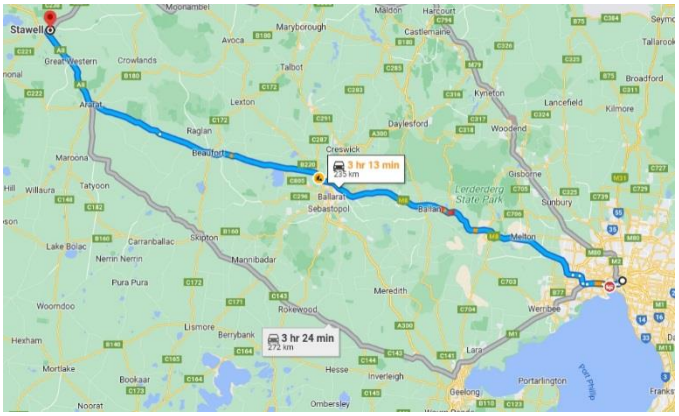
DRIVING RANGE (continued)

Version	National testing system range estimates:		
	NEDC (Aust)	WLTP (Euro)	US EPA
EQE 300	626 km	508 km	NA[1]
EQE 350 4matic	590 km	462 km	NA[1]
EQE AMG 53	515 km	442 km	NA[1]

Table 1: Driving range estimates for the Mercedes EQE sedan.

Using the WLTP rating (with a slight discount for extended highway use) a Mercedes EQE 300 would, at its limit, make a round-trip from the Melbourne CBD to Stawell 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 at one of the now many DC charger sites along the way (although none yet in Stawell itself) would be recommended.

For further charging options and availability, see: https://www.plugshare.com/



Typical Mercedes EQE 300 round trip range. Image: Google maps

CHARGING SPEEDS/REQUIREMENTS

Charging port

The Mercedes EQE is fitted with the CCS2 socket allowing it to charge via Type 2 AC chargers[2] as well as CCS2 DC fast-chargers.

CCS2 charging plug and socket

Notes:

1. 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 Mercedes EQE sedan is fitted with a type 2 AC socket.

Charging rates:

Single phase: maximum of 7.2 kW (32A)
Three phase: maximum of 22 kW (32A 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 EQE sedan 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 (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 Mercedes EQE sedan 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: 430
- Rear seat folded: 895

Dimensions:

- Overall length: 4,964 mm
- Overall height: 1,494 mm
- Ground clearance: 130
- Overall width (edge of doors): 1,906 mm
- Overall width (edge of mirrors): 2,103 mm

Battery:

- EQE 300: 98 kWh (89 kWh usable)

Energy consumption: (WLTP)

- 19.5 kWh/100 km (EQE 300)

Kerb weight:

- 2,415 kg (EQE 300)

Charging:

- 1 phase AC: 7.2 kW max.
- 3 phase AC: 22 kW max.
- 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:

- Not rated for towing

Performance:

Variant:	Max. Power (kW)	0 to 100km/h (Sec)
EQE 300	180	7.3
EQE 350 4matic	215	6.3
EQE AMG 53 4matic+	460	3.5

IMPORTANT NOTE

Always check all specifications with the manufacturer prior to any purchase. No responsibility accepted by AEVA or Bryce Gaton (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.