

Battery Health Check

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Assessment ID
FIAA3EDD

Test date: 04/09/2026 [12:58]

Tested by: Invicta Horsham

Vehicle information

Make	MERCEDES-BENZ	Registration	GY24VHZ
Model	A 250 AMG LINE PREMIUM	First registered	03/05/2024
VIN	W1K3G8FB4SJ454948		

Battery health

Battery capacity 10.9 kWh | 15.6 kWh
Capacity when new (usable | nominal).

State of health
Percentage of original capacity currently available.



Cell voltage difference 6 mV
Measures how evenly the battery's cells are balanced.

Real range

This is the estimated real-world driving range this vehicle is expected to achieve under different conditions, based on its battery health. It is calculated using Generational's own model, derived from real-world driving data.

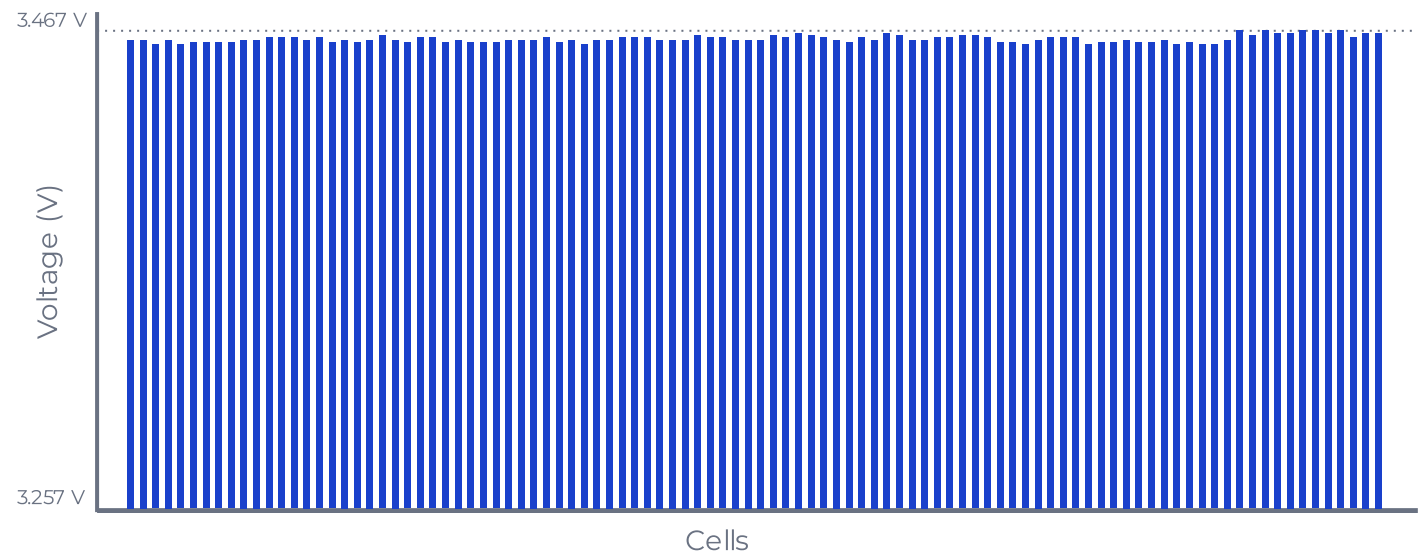
	Urban driving	Mixed driving	Motorway driving
Summer	40 miles	30 miles	27 miles
Winter	30 miles	25 miles	21 miles



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Cell voltage balance



Voltage difference between cells

Min voltage: **3.461 V**

Max voltage: **3.467 V**



Battery pack data

Cell group count **100**

Pack temperature* **21.0°C**

Pack voltage* **346.3 V**

*As measured at time of test

If the cell voltages are unbalanced, charge the vehicle to full, wait for a minimum of 2 hours and then retest.

About Generational

Generational is an EV battery diagnostics and analytics company headquartered in London.

Our mission is to provide transparency on battery condition and to support the transition to EVs. Generational is backed by the UK government's net zero automotive fund, through the Advanced Propulsion Centre.

Registered in England with Company No. 12677491

Registered Address: 7 Bell Yard, London, WC2A 2JR

Email: support@generational.ac