

Battery Health Check

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53BC0E79Test date: **05/06/2026** [15:54]Tested by: **Invicta Preston**

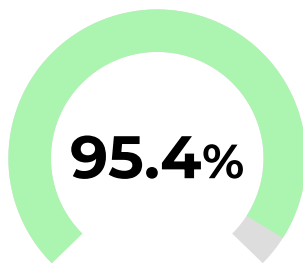
Vehicle information

Make	BMW	Registration	LG22SZD
Model	I4 EDRIVE40 M SPORT	First registered	05/04/2022
VIN	WBY72AW000FM70403	Mileage	52,393

Battery health

Battery capacity **81.3 kWh | 83.9 kWh**
Capacity when new (usable | nominal).

State of health
Percentage of original capacity currently available.



Cell voltage difference **3 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	320 miles	289 miles	257 miles
Winter	281 miles	258 miles	235 miles

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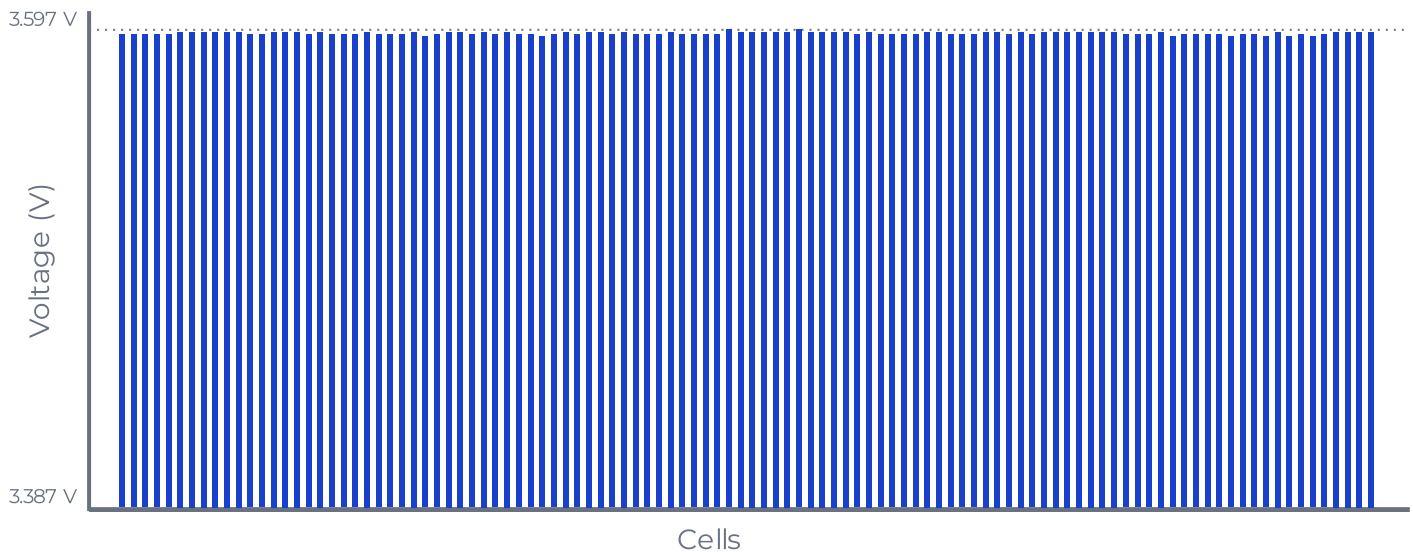
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Cell voltage balance



Voltage difference between cells

Min voltage: **3.594 V**Max voltage: **3.597 V**

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

Battery pack data

Cell group count **108**State of charge* **33%**Pack temperature* **28.4°C**Pack voltage* **389.2 V**Pack current* **2.3 A**

*As measured at time of test

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.

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