

Battery Health Check



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Assessment ID
236AC868

Test date: 11/08/2026 [08:24]

Tested by: Invicta Horsham

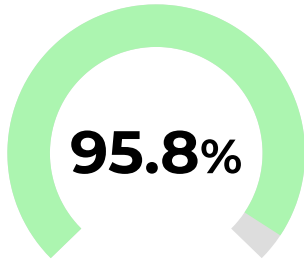
Vehicle information

Make	BMW	Registration	NL73OTF
Model	IX XDRIVE40 M SPORT	First registered	19/09/2023
VIN	WBY12CF050CP26876	Mileage	22,625

Battery health

Battery capacity 74.1 kWh | 76.6 kWh
Capacity when new (usable | nominal).

State of health
Percentage of original capacity currently available.



Cell voltage difference 4 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.

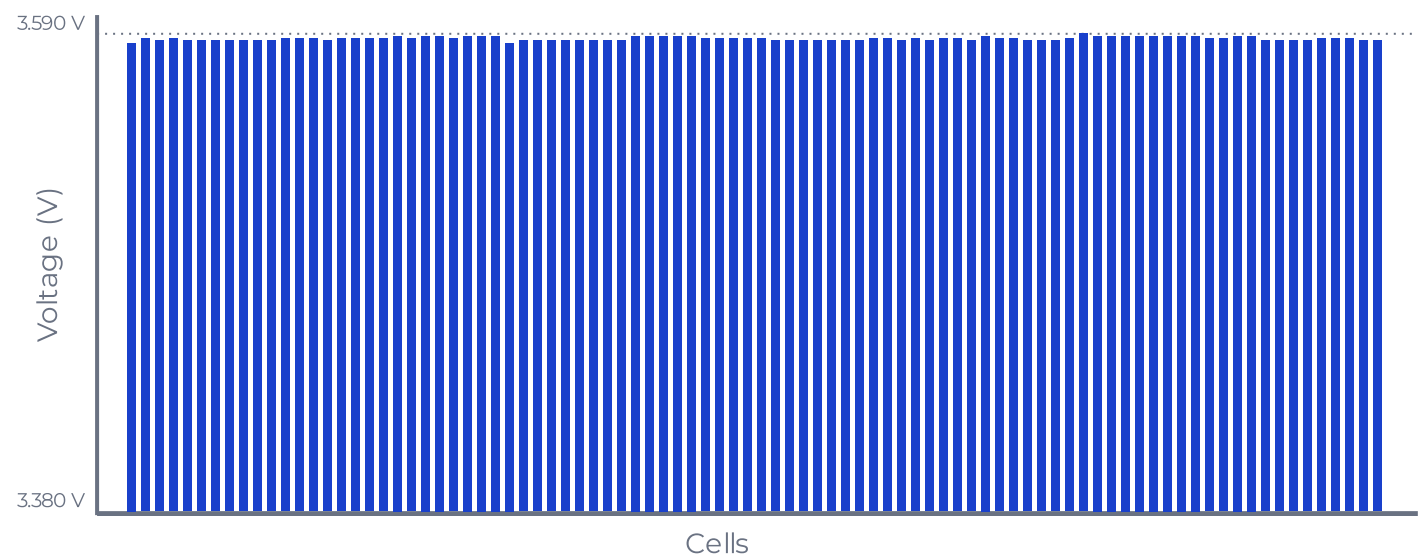
	Urban driving	Mixed driving	Motorway driving
Summer	232 miles	209 miles	186 miles
Winter	205 miles	188 miles	171 miles



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Cell voltage balance



Voltage difference between cells

Min voltage: **3.586 V**

Max voltage: **3.590 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 **90**

State of charge* **33%**

Pack temperature* **22.5°C**

Pack voltage* **323.4 V**

Pack current* **7.9 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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