Diagnostics report

Battery Health Check

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Assessment ID
231A52AB

Test date: **23/11/2026** [11:05]

Tested by: **Invicta Maidstone**

Vehicle information

Make	**MG**	Registration	**GN23YJD**
Model	**ZS TROPHY EV**	First registered	**16/03/2023**
VIN	**LSJW74098PZ092765**	Mileage	**40,697**

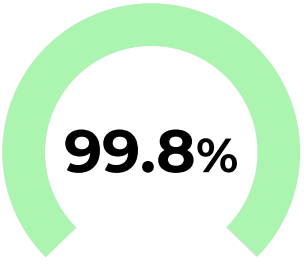
Battery health

Battery capacity **68.3 kWh | 72.6 kWh**

Capacity when new (usable | nominal).

State of health

Percentage of original capacity currently available.



Module voltage difference **7 mV**

Measures how evenly the battery's modules are balanced.

Manufacturer battery warranty

Warranty info is indicative only based on duration, registration date and mileage. Check manufacturer's specific T&Cs to ensure validity.

Miles	**100,000**
Duration	**8 years**
Provider	**MG**
In warranty period	**Yes**
Remaining duration	**4 years, 4 months**
Remaining miles	**59,302**

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	**249 miles**	**225 miles**	**200 miles**
Winter	**210 miles**	**193 miles**	**176 miles**

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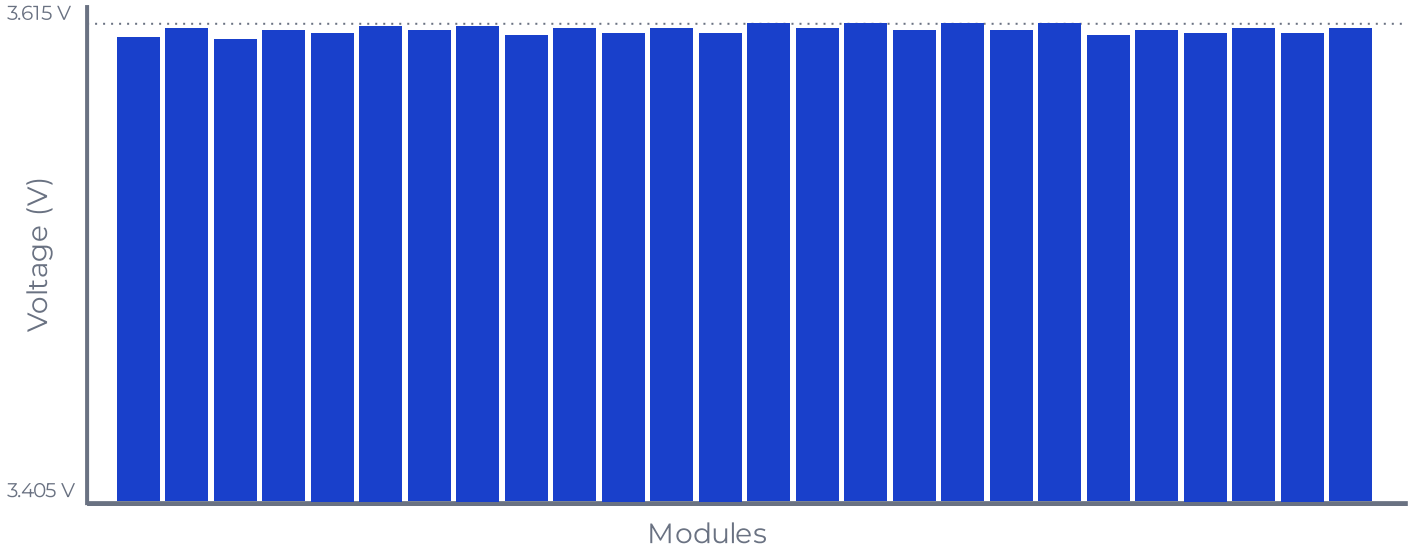
Module voltage balance



Voltage difference between modules

Min voltage:	**3.608 V**
Max voltage:	**3.615 V**



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

Battery pack data

Module count	**26**
State of charge*	**28%**
Pack temperature*	**3.0 °C**
Pack voltage*	**346.5 V**

*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.

Registered in England with Company No. 12677491

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