Diagnostics report

Battery Health Check

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Assessment ID
582DECA4

Test date: **14/11/2026** [11:29]

Tested by: **Drive Green**

Vehicle information

Make	**HYUNDAI**	Registration	**BL72NYV**
Model	**IONIQ 5 ULTIMATE EV**	First registered	**29/12/2022**
VIN	**KMHKR81EUPU131555**	Mileage	**53,316**

Battery health

Battery capacity **74.0 kWh | 77.4 kWh**

Capacity when new (usable | nominal).

State of health

Percentage of original capacity currently available.



Cell voltage difference **20 mV**

Measures how evenly the battery's cells 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	**HYUNDAI**
In warranty period	**Yes**
Remaining duration	**4 years, 2 months**
Remaining miles	**46,684**

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	**270 miles**	**244 miles**	**217 miles**
Winter	**233 miles**	**214 miles**	**195 miles**

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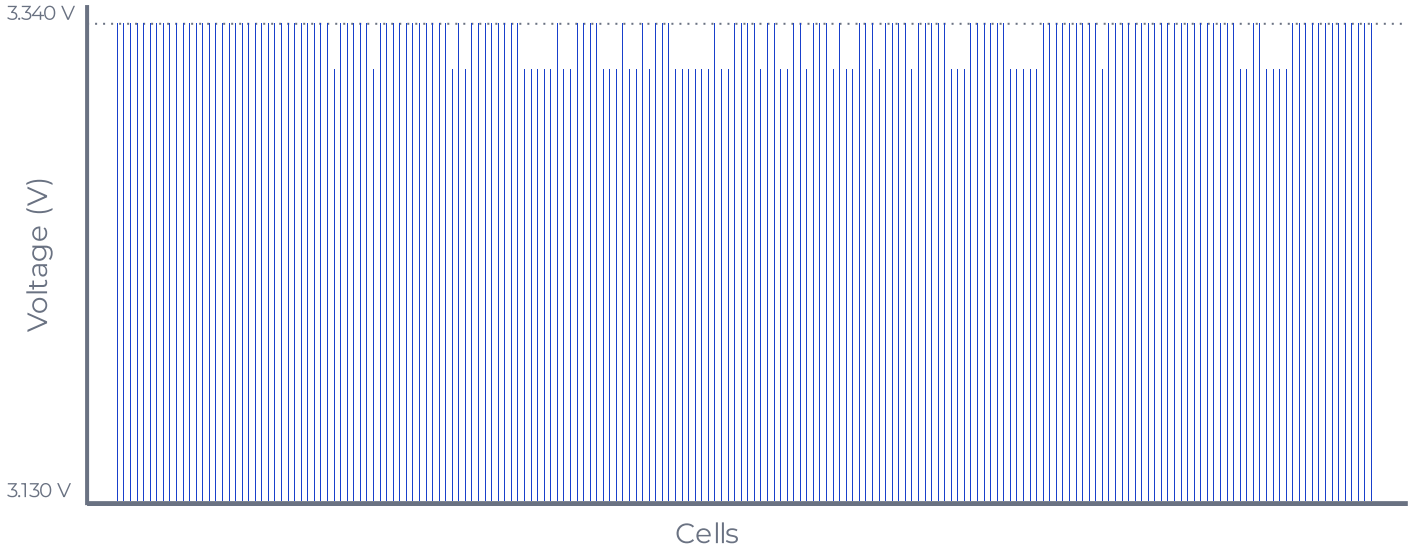
Cell voltage balance



Voltage difference between cells

Min voltage:	**3.320 V**
Max voltage:	**3.340 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	**192**
State of charge*	**5%**
Pack temperature*	**3.0 °C**
Pack voltage*	**642.1 V**
Pack current*	**3.3 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.

Registered in England with Company No. 12677491

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