Diagnostics report

Battery Health Check

Powered by

GENERATIONAL+

Verify online

Assessment ID
AFF166AA

Test date: **30/10/2026** [12:15]

Tested by: **Drive Green**

Vehicle information

Make	**HYUNDAI**	Registration	**LA22HGE**
Model	**IONIQ 5 PREMIUM EV**	First registered	**29/07/2022**
VIN	**KMHKN81AUNU069820**	Mileage	**29,723**

Battery health

Battery capacity **70.0 kWh | 72.6 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	**3 years, 9 months**
Remaining miles	**70,277**

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	**257 miles**	**232 miles**	**207 miles**
Winter	**221 miles**	**203 miles**	**184 miles**

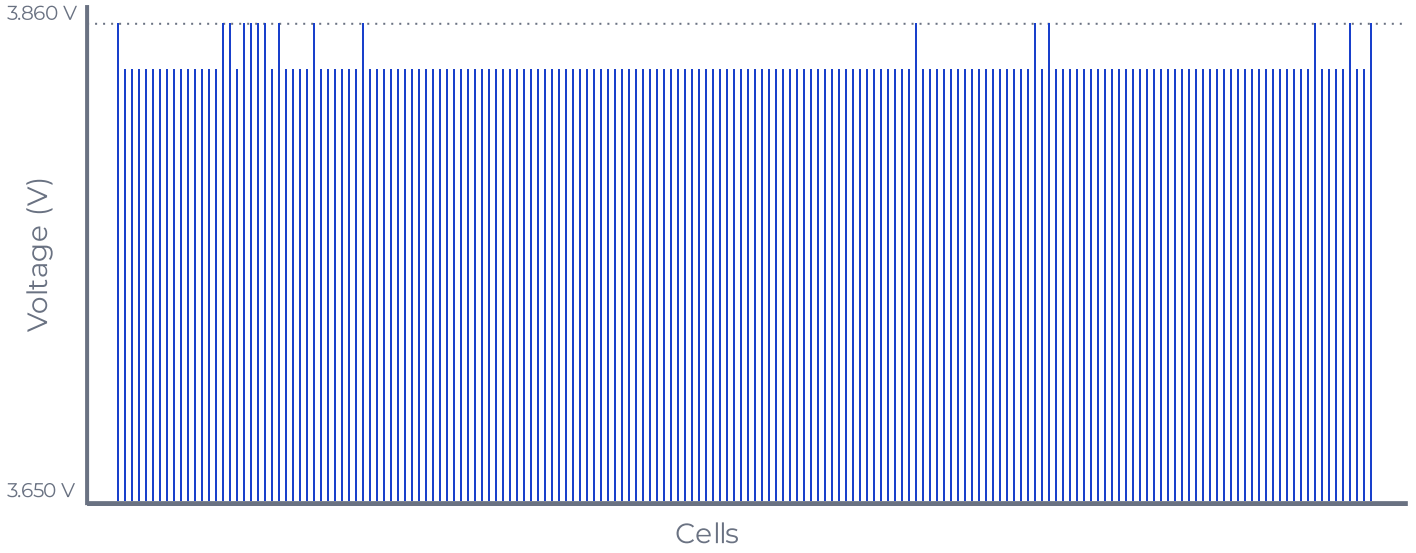
Assessment ID: AFF166AA

Powered by GENERATIONAL+

Test date: **30/10/2026** [12:15]

Tested by: **Drive Green**

Cell voltage balance



Voltage difference between cells

Min voltage:	**3.840 V**
Max voltage:	**3.860 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	**180**
State of charge*	**68%**
Pack temperature*	**10.0 °C**
Pack voltage*	**694.4 V**
Pack current*	**3.1 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

Registered Address: 167-169 Great Portland Street, 5th Floor, London, W1W 5PF, United Kingdom
Email: support@generational.ac