

Battery Health Check



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Assessment ID
C5180D09

Test date: 10/08/2026 [09:15]

Tested by: Drive Green

Vehicle information

Make	HYUNDAI	Registration	BW22EEB
Model	IONIQ 5 ULTIMATE EV	First registered	18/08/2022
VIN	KMHKR81AUNU095336	Mileage	40,316

Battery health

Battery capacity **72.6 kWh | 78.1 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.

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	275 miles	248 miles	221 miles
Winter	237 miles	217 miles	198 miles

Manufacturer battery warranty

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

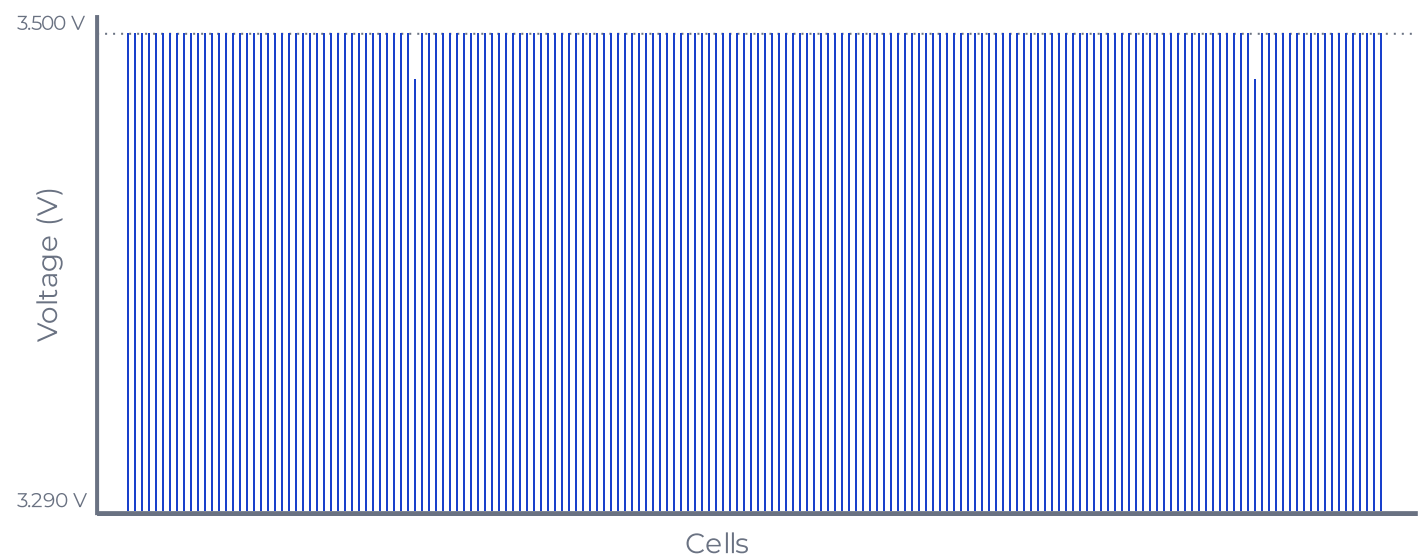
Miles	100,000
Duration	8 years
Provider	HYUNDAI
In warranty period	Yes
Remaining duration	4 years, 1 month
Remaining miles	59,684



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Cell voltage balance



Voltage difference between cells

Min voltage: **3.480 V**

Max voltage: **3.500 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* **22%**

Pack temperature* **20.0°C**

Pack voltage* **630.4 V**

Pack current* **0.5 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: 7 Bell Yard, London, WC2A 2JR

Email: support@generational.ac