

# Battery Health Check



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1BDC21CA Test date: **25/06/2026** [07:29] Tested by: **Drive Green**

## Vehicle information

Make	<b>HYUNDAI</b>	Registration	<b>YM23HZE</b>
Model	<b>KONA PREMIUM EV</b>	First registered	<b>28/05/2023</b>
VIN	<b>KMHK381GUPU184073</b>	Mileage	<b>36,304</b>

## Battery health

Battery capacity **64.0 kWh | 67.5 kWh**  
Capacity when new (usable | nominal).State of health  
Percentage of original capacity currently available.Cell voltage difference **0 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	<b>275 miles</b>	<b>248 miles</b>	<b>221 miles</b>
Winter	<b>230 miles</b>	<b>211 miles</b>	<b>192 miles</b>

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This is a point-in-time assessment for information purposes only.

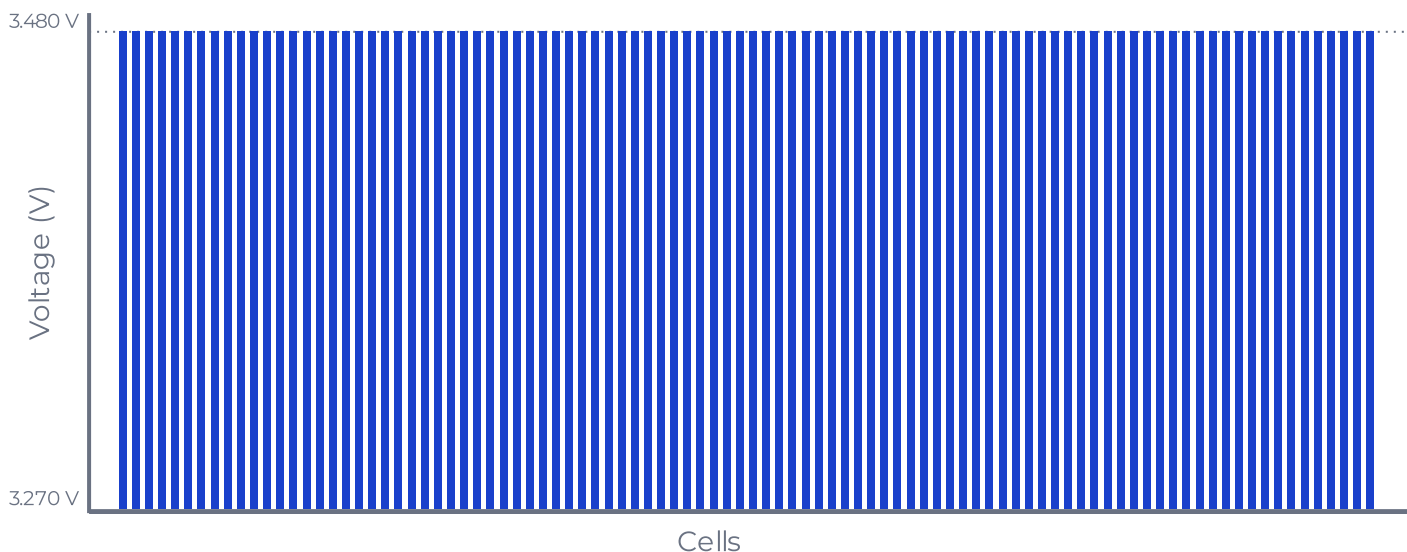
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## Cell voltage balance



### Voltage difference between cells

Min voltage: **3.480 V**

Max voltage: **3.480 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 **96**

State of charge\* **18%**

Pack temperature\* **29.0°C**

Pack voltage\* **342.3 V**

Pack current\* **4.7 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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