

INDEPENDENT BATTERY CERTIFICATE



CERTIFICATE NUMBER: A276643F-3E7A-425D-A3CB-E38BC891CB2A

VEHICLE

BRAND: Kia
MODEL: e-Niro - 64 kWh

MILEAGE: 69,917 km
VIN: KNACC81GFM5069088
DATE AND TIME:
01.08.2025, 12:48:11

EXECUTED BY: Carla AB

RESULTS

STATE OF HEALTH (SOH)

96.8 %

ENERGY

63kWh | 65kWh



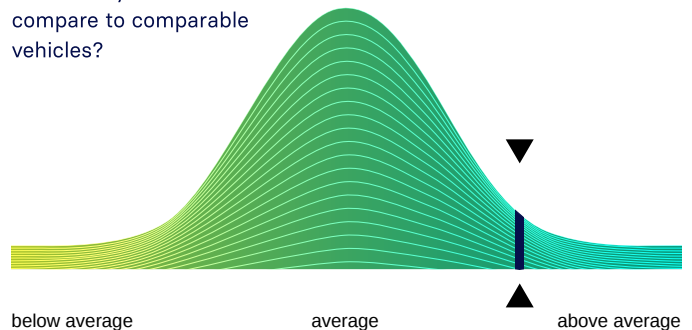
WLTP RANGE

440km | 455km

RATING

BENCHMARKING

How does your vehicle compare to comparable vehicles?



CHECKS

Battery Management System (BMS) ✓

Battery Sensor ✓

Battery Measurements ✓

Battery Cell Voltages ✓

Vehicle Communication ✓



SCAN FOR DETAILS

EVALUATION

EXCELLENT HEALTH - NO ABNORMALITIES DETECTED

Based on the detailed battery diagnostics performed with the AVILOO FLASH Test, we hereby certify that the drive battery of this vehicle is in excellent condition.

The drive battery is therefore officially AVILOO Certified.

Marcus Berger

Dr. Marcus Berger, CEO



CELL VOLTAGES DIAGRAM



EXECUTION PROTOCOL

AVILOO Box connected.	12:48:07
FLASH Test started.	✓
Vehicle detected.	✓
Starting data acquisition.	✓
Finished data acquisition.	✓
Analyzing data.	✓
Analysis completed.	✓

RANGE

	WLTP	Typical	Individual
Current:	440-440km	350km	377km
New:	455-455km	362km	390km

ENERGY

	Gross	Net (Nominal)	Usable
Current:	65.1kWh	63.2kWh	63.2kWh
New:	67.3kWh	65.3kWh	65.3kWh

MEASUREMENTS

	Min	Max	Delta	Status
Battery Temperature	20.0°C	21.0°C	1.0°C	✓
Cell Voltage	3.520V	3.520V	0mV	✓
Pack Voltage	345.9V			
Average Current	-3.3A			

BMS

	Value	Status
BMS State of Charge (SoC)*:	22%	
SoC calculation accuracy:		✓
BMS State of Health (SoH)*:	100%	
SoH calculation accuracy:		✓

SENSORS

Voltage Sensor	✓
Current Sensor	✓
Temperature Sensors	✓
Cell Voltage Sensors	✓