INDEPENDENT

BATTERY CERTIFICATE

AVILOO
BATTERY DIAGNOSTICS

CERTIFICATE NUMBER: 493F123A-4631-44FB-90FC-E9245CDE480B

VEHICLE

BRAND: Hyundai
MODEL: Ioniq 6 - 77,4 kWh

MILEAGE: 14,847 km
VIN: KMHM541C3PA049471
DATE AND TIME:
08.07.2025, 14:26:39

EXECUTED BY: AURES Holdings

RESULTS

STATE OF HEALTH (SOH)

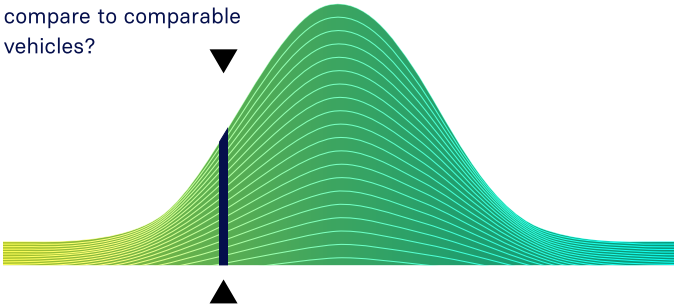
97.5 %

ENERGY 75kWh | 77kWh

WLTP RANGE 599km | 614km

RATING

BENCHMARKING
How does your vehicle compare to comparable vehicles?



below average | average | above average

CHECKS

- Battery Management System (BMS) ✓
- Battery Sensor ✓
- Battery Measurements ✓
- Battery Cell Voltages ✓
- Vehicle Communication ✓

SCAN FOR DETAILS

EVALUATION

GOOD 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 good condition.

The drive battery is therefore officially AVILOO Certified.

Dr. Marcus Berger, CEO

CARA Approved Battery Health Check

BATTERY IS TESTED AND CERTIFIED BY AVILOO
AVILOO CERTIFIED

ENERGY

	Gross	Net (Nominal)	Usable
Current:	78.0kWh	75.5kWh	71.6kWh
New:	80.0kWh	77.4kWh	73.4kWh

RANGE

	WLTP	Typical
Current:	506-599km	416km
New:	519-614km	426km

EXECUTION PROTOCOL

AVILOO Box connected. **14:26:35**

- FLASH Test started. ✓
- Vehicle detected. ✓
- Starting data acquisition. ✓
- Finished data acquisition. ✓

SENSORS

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

BMS

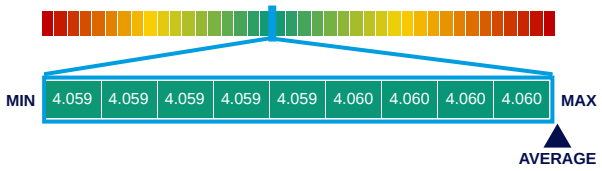
	Value	Status
BMS State of Charge (SoC)*:	83%	
SoC calculation accuracy:		✓
BMS State of Health (SoH)*:	100%	
SoH calculation accuracy:		✓

MEASUREMENTS

	Min	Max	Delta	Status
Battery Temperature	16.0°C	18.0°C	2.0°C	✓
Cell Voltage	4.059V	4.060V	1mV	✓
Pack Voltage	780.0V			
Average Current	-1.0A			

CELL VOLTAGES DIAGRAM

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
1 - 20	4.060	4.060	4.060	4.060	4.060	4.060	4.060	4.060	4.060	4.060	4.060	4.060	4.060	4.060	4.060	4.060	4.060	4.060	4.060	4.060
21 - 40	4.060	4.060	4.060	4.060	4.060	4.060	4.060	4.060	4.060	4.060	4.060	4.060	4.060	4.060	4.060	4.060	4.060	4.060	4.060	4.060
41 - 60	4.060	4.060	4.060	4.060	4.060	4.060	4.060	4.060	4.060	4.060	4.060	4.060	4.060	4.060	4.060	4.060	4.060	4.060	4.060	4.060
61 - 80	4.060	4.060	4.060	4.060	4.060	4.060	4.060	4.060	4.060	4.060	4.060	4.060	4.060	4.060	4.060	4.060	4.060	4.060	4.060	4.060
81 - 100	4.060	4.060	4.060	4.060	4.060	4.060	4.060	4.060	4.060	4.060	4.060	4.060	4.060	4.060	4.060	4.060	4.060	4.059	4.059	4.059
101 - 120	4.060	4.059	4.059	4.059	4.059	4.060	4.060	4.059	4.059	4.059	4.059	4.059	4.059	4.059	4.059	4.059	4.059	4.059	4.059	4.060
121 - 140	4.059	4.060	4.060	4.060	4.060	4.059	4.059	4.060	4.060	4.059	4.059	4.059	4.060	4.059	4.059	4.059	4.059	4.060	4.059	4.060
141 - 160	4.059	4.059	4.059	4.059	4.059	4.059	4.059	4.059	4.059	4.059	4.060	4.059	4.060	4.059	4.059	4.060	4.060	4.060	4.060	4.059
161 - 180	4.059	4.059	4.060	4.060	4.059	4.059	4.060	4.059	4.059	4.059	4.059	4.059	4.059	4.059	4.059	4.059	4.059	4.059	4.059	4.060
181 - 192	4.060	4.060	4.060	4.060	4.060	4.059	4.059	4.060	4.060	4.060	4.060	4.060								



*The values shown here were not calculated by AVILOO but correspond to the values read out from the battery management system (BMS) and were calculated by the manufacturer. AVILOO therefore assumes no liability for their accuracy.

DISCLAIMER: The test result includes the currently calculated state of health (SoH) of the drive battery. The determination is based on data provided by the vehicle. These are evaluated by AVILOOs algorithms using statistical and analytical models. Manipulation of the data in the control unit leads to an incorrect result. The indicated SoH has a technically induced fluctuation range (deviation) of no more than 3% in at least 95% of reference measurements. It should be noted that this tolerance applies to the SoH determination at the cell level and not to the SoH of the entire battery. This is because the state of charge of individual cells may vary, which can negatively affect the current SoH of the battery. However, this can be compensated by the Battery Managament System (BMS) or during a calibration. The result reflects the condition of the battery at the time of the test. No conclusions can be drawn about the future state of health of the battery from this. Statements about mechanical damage or external influences are not part of this diagnosis.

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