

# INDEPENDENT BATTERY CERTIFICATE



CERTIFICATE NUMBER: 6F142868-E983-4D88-9AE5-49BBF2095CCC

## VEHICLE

**BRAND:** Kia  
**MODEL:** EV6 - 77,4 kWh

**MILEAGE:** 92,314 km  
**VIN:** KNAC481AFN5009880

**EXECUTED BY:** AAA Auto

**DATE AND TIME:**  
24/04/2026, 15:46

## RESULTS

Independent  
**STATE OF HEALTH (SOH)**

# 96.0 %

**ENERGY** 74kWh | 77kWh

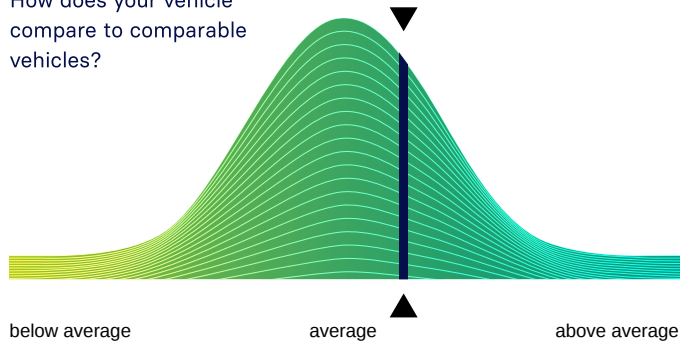


**WLTP RANGE** 507km | 528km

## 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.

Dr. Marcus Berger, CEO



## ENERGY

	Gross	Net (Nominal)	Usable
Current:	76.8kWh	74.3kWh	70.5kWh
New:	80.0kWh	77.4kWh	73.4kWh

## RANGE

	WLTP	Typical
Current:	407-507km	345km
New:	424-528km	359km

## EXECUTION PROTOCOL

AVILOO Box connected.	15:46:16
FLASH Test started.	✓
Starting data acquisition.	✓
Vehicle detected.	✓
Finished data acquisition.	✓
Analyzing data.	✓
Analysis completed.	✓

## SENSORS

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

## BMS

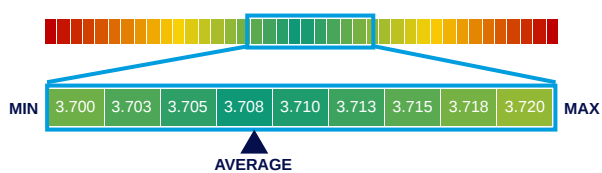
	Value	Status
BMS State of Charge (SoC)*:	53%	
SoC calculation accuracy:		✓
BMS State of Health (SoH)*:	100%	
SoH calculation accuracy:		✓

## MEASUREMENTS

	Min	Max	Delta	Status
Battery Temperature	15.0°C	17.0°C	2.0°C	✓
Cell Voltage	3.700V	3.720V	20mV	✓
Pack Voltage	714.1V			
Average Current	-0.9A			

## 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	3.700	3.717	3.720	3.708	3.700	3.706	3.715	3.700	3.716	3.714	3.715	3.705	3.712	3.713	3.710	3.712	3.712	3.720	3.706	3.718
21 - 40	3.702	3.717	3.700	3.720	3.700	3.700	3.700	3.700	3.700	3.700	3.700	3.700	3.700	3.700	3.702	3.700	3.718	3.700	3.700	3.700
41 - 60	3.720	3.707	3.717	3.720	3.708	3.706	3.700	3.710	3.719	3.720	3.709	3.720	3.720	3.708	3.720	3.720	3.720	3.720	3.720	3.715
61 - 80	3.711	3.706	3.714	3.700	3.714	3.700	3.700	3.700	3.700	3.714	3.703	3.720	3.700	3.700	3.720	3.712	3.715	3.710	3.700	3.700
81 - 100	3.700	3.700	3.700	3.700	3.700	3.700	3.711	3.702	3.700	3.700	3.700	3.704	3.700	3.709	3.715	3.700	3.700	3.700	3.700	3.700
101 - 120	3.700	3.700	3.712	3.700	3.711	3.711	3.720	3.720	3.720	3.711	3.712	3.720	3.707	3.700	3.720	3.714	3.720	3.700	3.710	3.710
121 - 140	3.700	3.700	3.712	3.720	3.715	3.707	3.701	3.720	3.720	3.714	3.702	3.720	3.720	3.720	3.717	3.720	3.720	3.720	3.718	3.720
141 - 160	3.712	3.720	3.720	3.716	3.700	3.700	3.700	3.714	3.700	3.700	3.708	3.707	3.709	3.700	3.709	3.700	3.700	3.700	3.708	3.706
161 - 180	3.700	3.700	3.717	3.707	3.715	3.714	3.715	3.717	3.700	3.700	3.700	3.700	3.700	3.700	3.700	3.700	3.700	3.700	3.700	3.700
181 - 192	3.720	3.720	3.720	3.720	3.720	3.720	3.720	3.720	3.720	3.720	3.720	3.720	3.720	3.720	3.720	3.720	3.720	3.720	3.720	3.720



\*The values shown here were read directly from the vehicle's battery management system (BMS) and are calculated and provided by the vehicle manufacturer. The State of Health (SoH) displayed corresponds to the value reported by the BMS and is CARA-certified.

**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 AVILOO's 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 Management 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.