



# FLASH TEST REPORT

## Execution

State of charge 20.5 %  
Date 30/05/2025 12:25:12  
Executed by Carla AB

## Vehicle

Brand Kia  
Model e-Niro - 64 kWh  
VIN KNACC81GFL5041542  
Mileage 111,795 km

## Analysis Result

# AVILOO SCORE

98  
/ 100

**High voltage battery usage and history**  
Analysis of charging & driving behavior

68 / 70

**High voltage battery performance**  
Analysis of cell voltages and module temperatures.

30 / 30

**High voltage battery control unit**  
Check of signals and calculations of the battery management control unit.



**Vehicle communication interface**  
Check of communication via the diagnostic interface.



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# EXPLANATION OF THE BATTERY FLASH TEST

## ANALYSIS METHOD

The analysis performed is a combined result of: The communication quality between the diagnostic hardware AVILOO Box and the on-board diagnostic interface of the vehicle. The live battery data and data that indicates the previous use of the high voltage battery, which is made available to the AVILOO Box by the battery management system during the measurement. The plausibility check and classification of the battery condition using the collected values and a comparison with the AVILOO Battery Cloud using Big Data algorithms.

## FLASH TEST EXECUTION PROTOCOL

- 12:25:08
- AVILOO Box connected.
- ✓
- FLASH Test started.
- ✓
- Vehicle detected.
- ✓
- Starting data acquisition.
- ✓
- Finished data acquisition.
- ✓
- Analyzing data.
- ✓
- Analysis completed.

## DETAILED RESULTS OF PERFORMED CHECKS

### Vehicle Information

Date	30/05/2025 12:25:12
Mileage	111,795 km
VIN	KNACC81GFL5041542

### Measurements High Voltage System

Battery temperature	18 °C
Maximum cell temperature deviation	1 °C
Pack voltage	345 V
Maximum cell voltage deviation	0 mV
Peak current during check	-7.2 A
State of Health (SoH - read from car manufacturer)*	100 %

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