



FLASH TEST REPORT

Execution

State of charge **45.56 %**
Date 29/04/2025 14:25:53
Executed by Carla AB

Vehicle

Brand Hyundai
Model Ioniq 5 - 72,6 kWh
VIN KMHKR81AFNU014641
Mileage 96,256 km

Analysis Result

AVILOO SCORE



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

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High voltage battery performance

WARNING: Analysis of cell voltages and module temperatures failed. For details see page 2.

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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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CEO and Partner

DI Wolfgang Berger MBA
CSO and Founder

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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

14:25:49

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

| | |
|---------|---------------------|
| VIN | KMHKR81AFNU014641 |
| Date | 29/04/2025 14:25:53 |
| Mileage | 96,256 km |

Measurements High Voltage System

| | |
|---|-------------------|
| Battery temperature | 17 °C |
| Maximum cell temperature deviation | 1 °C |
| Pack voltage | 714.7 V |
| High cell spread detected. This indicates a defective or heavily unbalanced cell. | (< 139 mV) 300 mV |
| Peak current during check | -5.7 A |
| State of Health (SoH - read from car manufacturer)* | 100 % |

*The SoH shown here was not calculated by AVILOO but corresponds to the SoH read out from the battery management system and calculated by the manufacturer. AVILOO therefore does not guarantee the correctness of this SoH.

