



## FLASH TEST REPORT

#### Execution

State of charge Date Executed by

## Vehicle

Brand

Model

VIN Mileage

77 % 12/05/2025 15:02:28 Carla AB Hyundai Ioniq 5 - 72,6 kWh KMHKN81AFNU079936 63,804 km

## **Analysis Result**

# **AVILOO SCORE**



## High voltage battery usage and history

Analysis of charging & driving behavior

**67** / 70

#### High voltage battery performance

Analysis of cell voltages and module temperatures.

**28** / 30

#### High voltage battery control unit

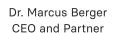
Check of signals and calculations of the battery management control unit.



#### Vehicle communication interface

Check of communication via the diagnostic interface.





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DI Nikolaus Mayerhofer CTO and Founder





### **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

15:02:24 AVILOO Box connected.

- 1 FLASH Test started.
- Vehicle detected.
- Starting data acquisition.
- Finished data acquisition.
- Analyzing data.
- Analysis completed.

#### DETAILED RESULTS OF PERFORMED CHECKS

#### **Vehicle Information**

Date 12/05/2025 15:02:28 Mileage 63,804 km VIN KMHKN81AFNU079936

#### Measurements High Voltage System

Battery temperature 17 °C Maximum cell temperature deviation 3°C Pack voltage 706.9 V Maximum cell voltage deviation 0 mV-1 A Peak current during check State of Health (SoH - read from car manufacturer)\* 94.6 %

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