



FLASH TEST REPORT

Execution

State of charge Date Executed by

Vehicle

84 % 20/05/2025 08:17:25 Carla AB Brand Model VIN Mileage Mercedes-Benz EQA - 66,5 kWh W1N2437011J028630 34,012 km

Analysis Result

AVILOO SCORE



High voltage battery usage and history

Analysis of charging & driving behavior

69 / 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.



Dr. Marcus Berger CEO and Partner DI Wolfgang Berger MBA CSO and Founder

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

AVILOO Box connected. 08:17:21

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

DETAILED RESULTS OF PERFORMED CHECKS

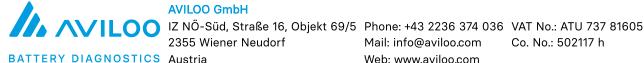
Vehicle Information

Date 20/05/2025 08:17:25 34,012 km Mileage VIN W1N2437011J028630

Measurements High Voltage System

Battery temperature 20 °C 0 °C Maximum cell temperature deviation Pack voltage 404.8 V Maximum cell voltage deviation 5 mV -5.5 A Peak current during check State of Health (SoH - read from car manufacturer)* 99.18 %

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