



FLASH TEST REPORT

Execution Vehicle

State of charge
Date 30/9
Executed by

48 % 30/05/2025 08:21:43 Carla AB Brand Model VIN Mileage Audi Q4 e-tron - 77 kWh WAUZZZFZ5NP012437 101,523 km

Analysis Result

AVILOO SCORE

91

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

64 / 70

High voltage battery performance

Analysis of cell voltages and module temperatures.

27 / 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

08:21:39 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 08:21:43

 Mileage
 101,523 km

 VIN
 WAUZZZFZ5NP012437

Measurements High Voltage System

Battery temperature 21.15 °C

Maximum cell temperature deviation 0.62 °C

Pack voltage 353.04 V

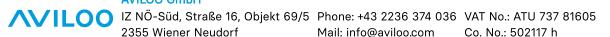
Maximum cell voltage deviation 3.95 mV

Peak current during check -8.09 A

State of Health (SoH - read from car manufacturer)*

fastcheck.certificate.explanationFooterText





ia Web: www.aviloo.com

