



FLASH TEST REPORT

19/05/2025 14:08:47

Execution

State of charge Date Executed by Vehicle

Brand Model VIN

Mileage

12 %

Carla AB

Audi Q8 55 e-tron - 114 kWh WAUZZZGE1RB044185 32,760 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.



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

14:08:43 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
 19/05/2025 14:08:47

 Mileage
 32,760 km

 VIN
 WAUZZZGE1RB044185

Measurements High Voltage System

Battery temperature 18 °C

Maximum cell temperature deviation 1 °C

Pack voltage 373.01 V

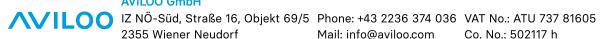
Maximum cell voltage deviation 13 mV

Peak current during check -7.65 A

State of Health (SoH - read from car manufacturer)* 92.22 %

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Web: www.aviloo.com

