FLASH TEST REPORT

Execution

State of charge	84 %
Date	20/05/2025 08:17:25
Executed by	Carla AB

Vehicle

Brand	Mercedes-Benz
Model	EQA - 66,5 kWh
VIN	W1N2437011J028630
Mileage	34,012 km

Analysis Result

AVILOO SCORE

99 / 100

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.
✔

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DI Wolfgang Berger MBA
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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

08:17:21	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	20/05/2025 08:17:25
Mileage	34,012 km
VIN	W1N2437011J028630

Measurements High Voltage System

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

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AVILOO
BATTERY DIAGNOSTICS