



# FLASH TEST REPORT

## **Execution**

State of charge Date

Executed by

Vehicle

90 % 30/01/2024 15:36:02 Carla AB Brand Model VIN Mileage Mercedes-Benz EQC 400 - 85 kWh W1K2938901F009439 76,952 km

## **Analysis Result**

# **AVILOO SCORE**



66 / 70

29 / 30

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

High voltage battery performance

Analysis of cell voltages and module temperatures.

High voltage battery control unit

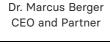
Check of signals and calculations of the battery management control unit.

Vehicle communication interface

Check of communication via the diagnostic interface.

DI Wolfgang Berger MBA CSO and Founder

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

15:35:59 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**

VIN W1K2938901F009439
Date 30/01/2024 15:36:02
Mileage 76,952 km

#### Measurements High Voltage System

Battery temperature 8 °C

Maximum cell temperature deviation 2 °C

Pack voltage 392.6 V

Maximum cell voltage deviation 13.02 mV

Peak current during check -23.4 A

State of Health (SoH - read from car manufacturer)\* 96.06 %

\*The SoH shown here was not calculated by AVILOO but corresponds to the SoH read out from the battery management system and calculated by the manufacturer. AVILOO therefore does not guarantee the correctness of this SoH.



UID Nr.: ATU 737 81605 FN: 502117 h

