



## **FLASH TEST REPORT**

**Execution** Vehicle

State of charge 99 % Date 05/06/2025 07:21:44

Executed by 135024 - Bergwerff Automotive B.V

05/06/2025 07:21:44 Model werff Automotive B.V VIN Mileage

Brand

BMW 5 Series Plug-in Hybrid - 22,1 kWh WBA21GV070CT28731 33,556 km

**Analysis Result** 

# **AVILOO SCORE**



69 / 70

30 / 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

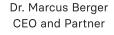
Check of signals and calculations of the battery management control unit.

Vehicle communication interface

Check of communication via the diagnostic interface.

DI Wolfgang Berger MBA CSO and Founder

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

07:21:40 AVILOO Box connected.

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

#### DETAILED RESULTS OF PERFORMED CHECKS

#### **Vehicle Information**

Date 05/06/2025 07:21:44 Mileage 33,556 km VIN WBA21GV070CT28731

#### Measurements High Voltage System

Battery temperature 23.39 °C Maximum cell temperature deviation 1.89 °C Pack voltage 399.6 V Maximum cell voltage deviation 11 mV -1.16 A Peak current during check State of Health (SoH - read from car manufacturer)\* 98.33 %

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