



FLASH TEST REPORT

Execution

State of charge Date Executed by 81.94 % 26/05/2025 12:22:32 Carla AB

Brand Model VIN Mileage

Vehicle

Tesla Model S 5YJSA7E28MF419939 83,601 km

Analysis Result

AVILOO SCORE



High voltage battery usage and history Analysis of charging & driving behavior	66 / 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.	v
Vehicle communication interface Check of communication via the diagnostic interface.	~

Belec

Dr. Marcus Berger CEO and Partner



DI Nikolaus Mayerhofer

DI Nikolaus Mayerhofe 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

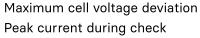
12:22:28	AVILOO Box connected.

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

DETAILED RESULTS OF PERFORMED CHECKS

Vehicle Information

Date Mileage VIN	26/05/2025 12:22:32 83,601 km 5YJSA7E28MF419939
Measurements High Voltage System	
Battery temperature	16.63 °C
Maximum cell temperature deviation	2.05 °C
Pack voltage	390.6 V
Maximum cell voltage deviation	3.52 mV



BATTERY DIAGNOSTICS Austria

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