



FLASH TEST REPORT

Execution

State of charge Date Executed by Vehicle

11/12/2023 17:12:00 Carla AB

46 %

Brand Model VIN Mileage Tesla Model S 5YJSA7E24LF354067 89,448 km

Analysis Result

AVILOO SCORE

94

66 / 70

28 / 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

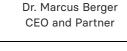
Check of signals and calculations of the battery management control unit.

Vehicle communication interface

Check of communication via the diagnostic interface.

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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

17:11:57 AVILOO Box connected.

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

DETAILED RESULTS OF PERFORMED CHECKS

Vehicle Information

VIN 5YJSA7E24LF354067
Date 11/12/2023 17:12:00
Mileage 89,448 km

Measurements High Voltage System

Battery temperature 8.3 °C
Maximum cell temperature deviation 1.81 °C
Pack voltage 357.92 V
Maximum cell voltage deviation 15.52 mV
Peak current during check -19.06 A



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