AVILOO
BATTERY DIAGNOSTICS

FLASH TEST REPORT

Execution

State of charge	25.83 %
Date	29/12/2023 12:18:48
Executed by	Carla AB

Vehicle

Brand	Tesla
Model	Model S
VIN	5YJSA7E43KF312697
Mileage	98,560 km

Analysis Result

AVILOO SCORE   93 / 100

High voltage battery usage and history
Analysis of charging & driving behavior
65 / 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.
✔

Vehicle communication interface
Check of communication via the diagnostic interface.
✔

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CARA
Approved Battery Health Check

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

12:18:45	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	5YJSA7E43KF312697
Date	29/12/2023 12:18:48
Mileage	98,560 km

Measurements High Voltage System

Battery temperature	8.81 °C
Maximum cell temperature deviation	1.84 °C
Pack voltage	341.6 V
Maximum cell voltage deviation	11.27 mV
Peak current during check	-18.04 A

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