AVILOO
BATTERY DIAGNOSTICS

FLASH TEST REPORT

Execution

State of charge	96.91 %
Date	30/04/2024 10:09:17
Executed by	Carla AB

Vehicle

Brand	Tesla
Model	Model X
VIN	5YJXCCE43MF311593
Mileage	80,457 km

Analysis Result

AVILOO SCORE 94 / 100

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. — ✔

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

Dr. Marcus Berger
CEO and Partner

DI Wolfgang Berger MBA
CSO and Founder

DI Nikolaus Mayerhofer
CTO and Founder

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

10:09:14	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	5YJXCCE43MF311593
Date	30/04/2024 10:09:17
Mileage	80,457 km

Measurements High Voltage System

Battery temperature	27.81 °C
Maximum cell temperature deviation	1.82 °C
Pack voltage	398.03 V
Maximum cell voltage deviation	4.88 mV
Peak current during check	-1.44 A

AVILOO BATTERY DIAGNOSTICS

AVILOO GmbH
IZ NÖ-Süd, Straße 16, Objekt 69/5
2355 Wiener Neudorf
Austria

Tel: +43 2236 374 036
Mail: info@aviloo.com
Web: www.aviloo.com

UID Nr.: ATU 737 81605
FN: 502117 h