AVILOO
BATTERY DIAGNOSTICS



# FLASH TEST REPORT

## Execution

| | |
|---|---|
| State of charge | 15.45 % |
| Date | 03/05/2024 13:47:06 |
| Executed by | Carla AB |

## Vehicle

| | |
|---|---|
| Brand | Tesla |
| Model | Model S |
| VIN | 5YJSA7E2XLF350010 |
| Mileage | 87,368 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

13:47:03 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 | 5YJSA7E2XLF350010 |
| Date | 03/05/2024 13:47:06 |
| Mileage | 87,368 km |

### Measurements High Voltage System

| | |
|---|---|
| Battery temperature | 21.63 °C |
| Maximum cell temperature deviation | 1.44 °C |
| Pack voltage | 337.04 V |
| Maximum cell voltage deviation | 10.06 mV |
| Peak current during check | -5.18 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