



FLASH TEST REPORT

Vehicle Execution

State of charge 93.53 %

30/05/2025 14:04:36 Date Executed by

Carla AB

Brand Model VIN Mileage

Polestar 2 - 82 kWh YSMVSFDE1RL239162 15,944 km

Analysis Result

AVILOO SCORE



High voltage battery usage and history

Analysis of charging & driving behavior

70 / 70

High voltage battery performance

Analysis of cell voltages and module temperatures.

30 / 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





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

14:04:32 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

 Date
 30/05/2025 14:04:36

 Mileage
 15,944 km

 VIN
 YSMVSFDE1RL239162

Measurements High Voltage System

Battery temperature 17.69 °C

Maximum cell temperature deviation 1.73 °C

Pack voltage 458.2 V

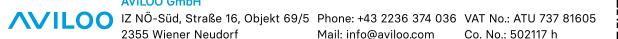
Maximum cell voltage deviation 12.7 mV

Peak current during check -10.7 A

State of Health (SoH - read from car manufacturer)* 100.67 %

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