



FLASH TEST REPORT

Execution

State of charge 21.8 %
Date 06/05/2025 12:18:19
Executed by Henley Cars Ltd t/a Car360

Vehicle

Brand Polestar
Model 2 - 78 kWh
VIN LPSVSEDEENL070415
Mileage 28,606 mi

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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DI Wolfgang Berger MBA
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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

12:18:15	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	06/05/2025 12:18:19
Mileage	28,606 mi
VIN	LPSVSEDEENL070415

Measurements High Voltage System

Battery temperature	8.7 °C
Maximum cell temperature deviation	0.61 °C
Pack voltage	385.6 V
Maximum cell voltage deviation	13 mV
Peak current during check	-8.78 A
State of Health (SoH - read from car manufacturer)*	90.83 %

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