



# FLASH TEST REPORT

## Execution

State of charge 30.3 %  
Date 28/05/2025 11:10:04  
Executed by Carla AB

## Vehicle

Brand Peugeot  
Model 208e - 50 kWh  
VIN VR3UHZKXZMT127152  
Mileage 75,014 km

## Analysis Result

# AVILOO SCORE

91  
/ 100

**High voltage battery usage and history**  
Analysis of charging & driving behavior

64 / 70

**High voltage battery performance**  
Analysis of cell voltages and module temperatures.

27 / 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

- 11:10:00
- AVILOO Box connected.
- ✓
- FLASH Test started.
- ✓
- Vehicle detected.
- ✓
- Starting data acquisition.
- ✓
- Finished data acquisition.
- ✓
- Analyzing data.
- ✓
- Analysis completed.

## DETAILED RESULTS OF PERFORMED CHECKS

### Vehicle Information

Date	28/05/2025 11:10:04
Mileage	75,014 km
VIN	VR3UHZKXZMT127152

### Measurements High Voltage System

Battery temperature	20 °C
Maximum cell temperature deviation	1 °C
Pack voltage	386.12 V
Maximum cell voltage deviation	10 mV
Peak current during check	-4.05 A
State of Health (SoH - read from car manufacturer)*	90.38 %

fastcheck.certificate.explanationFooterText

