

INDEPENDENT

# BATTERY CERTIFICATE



CERTIFICATE NUMBER: BB16317C-F43A-41A1-BFB7-D9E9F4C3BDE5

VEHICLE

BRAND: Polestar  
MODEL: 2 - 69 kWh

MILEAGE: 43,282 km  
VIN: YSMVSEFEXPL131093  
DATE AND TIME:  
21.11.2025, 13:28:14

EXECUTED BY: Carla AB

RESULTS

## STATE OF HEALTH (SOH)

95.9 %

ENERGY

64kWh | 67kWh



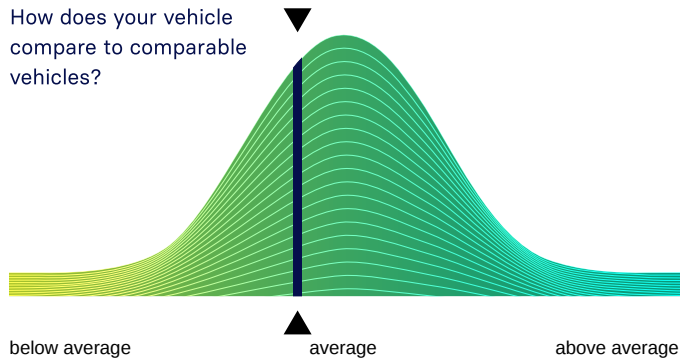
WLTP RANGE

454km | 474km

RATING

## BENCHMARKING

How does your vehicle compare to comparable vehicles?



CHECKS

- Battery Management System (BMS) ✓
- Battery Sensor ✓
- Battery Measurements ✓
- Battery Cell Voltages ✓
- Vehicle Communication ✓



EVALUATION

## GOOD HEALTH - NO ABNORMALITIES DETECTED

Based on the detailed battery diagnostics performed with the AVILOO FLASH Test, we hereby certify that the drive battery of this vehicle is in good condition.

The drive battery is therefore officially AVILOO Certified.

*Marcus Berger*

Dr. Marcus Berger, CEO



### ENERGY

	Gross	Net (Nominal)	Usable
Current:	66.2kWh	64.2kWh	61.7kWh
New:	69.0kWh	67.0kWh	64.3kWh

### RANGE

	WLTP	Typical	Individual
Current:	454-454km	347km	311km
New:	474-474km	362km	324km

### EXECUTION PROTOCOL

<b>AVILOO Box connected.</b>	<b>13:28:11</b>
FLASH Test started.	✓
Vehicle detected.	✓
Starting data acquisition.	✓
Finished data acquisition.	✓
Analyzing data.	✓
Analysis completed.	✓

### SENSORS

Voltage Sensor	✓
Current Sensor	✓
Temperature Sensors	✓
Cell Voltage Sensors	✓

### BMS

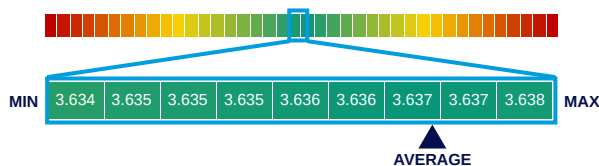
	Value	Status
BMS State of Charge (SoC)*:	30%	
SoC calculation accuracy:		✓
BMS State of Health (SoH)*:	95%	
SoH calculation accuracy:		✓

### MEASUREMENTS

	Min	Max	Delta	Status
Battery Temperature	4.9°C	8.2°C	3.3°C	✓
Cell Voltage	3.634V	3.638V	4mV	✓
Pack Voltage	349.2V			
Average Current	-4.5A			

### CELL VOLTAGES DIAGRAM

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
1 - 20	3.636	3.636	3.635	3.636	3.635	3.636	3.635	3.636	3.636	3.636	3.636	3.636	3.635	3.635	3.636	3.634	3.635	3.635	3.636	3.637
21 - 40	3.637	3.636	3.637	3.638	3.637	3.637	3.637	3.637	3.637	3.637	3.636	3.637	3.637	3.637	3.637	3.637	3.636	3.637	3.637	3.638
41 - 60	3.636	3.636	3.638	3.637	3.637	3.637	3.638	3.637	3.637	3.638	3.637	3.637	3.636	3.637	3.637	3.637	3.636	3.636	3.637	3.636
61 - 80	3.637	3.638	3.637	3.637	3.637	3.637	3.637	3.637	3.637	3.638	3.637	3.638	3.637	3.637	3.637	3.637	3.637	3.636	3.637	3.637
81 - 96	3.637	3.637	3.637	3.636	3.637	3.637	3.637	3.636	3.637	3.637	3.637	3.637	3.637	3.637	3.637	3.637	/	/	/	/



\*The values shown here were not calculated by AVILOO but correspond to the values read out from the battery management system (BMS) and were calculated by the manufacturer. AVILOO therefore assumes no liability for their accuracy.

**DISCLAIMER:** The test result includes the currently calculated state of health (SoH) of the drive battery. The determination is based on data provided by the vehicle. These are evaluated by AVILOO's algorithms using statistical and analytical models. Manipulation of the data in the control unit leads to an incorrect result. The indicated SoH has a technically induced fluctuation range (deviation) of no more than 3% in at least 95% of reference measurements. It should be noted that this tolerance applies to the SoH determination at the cell level and not to the SoH of the entire battery. This is because the state of charge of individual cells may vary, which can negatively affect the current SoH of the battery. However, this can be compensated by the Battery Management System (BMS) or during a calibration. The result reflects the condition of the battery at the time of the test. No conclusions can be drawn about the future state of health of the battery from this. Statements about mechanical damage or external influences are not part of this diagnosis.