INDEPENDENT

BATTERY CERTIFICATE

AVILOO
BATTERY DIAGNOSTICS

CERTIFICATE NUMBER: E0DF2C14-D098-43FC-A19D-4C77381EDA41

VEHICLE

BRAND: Xpeng
MODEL: P7 - 86,2 kWh

MILEAGE: 30 km
VIN: L1NSPGHB7RA008617
DATE AND TIME:
18.08.2025, 14:45:57

EXECUTED BY: Carla AB

RESULTS

STATE OF HEALTH (SOH)

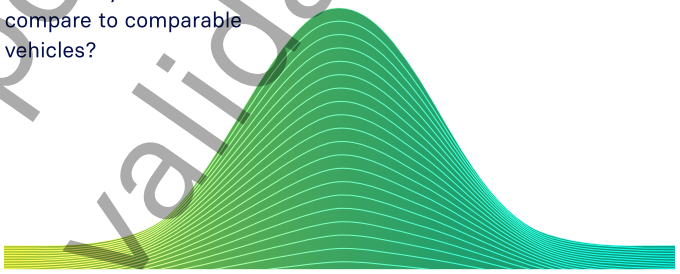
-- %

ENERGY - kWh | 83kWh

WLTP RANGE - | 576km

RATING

BENCHMARKING
How does your vehicle compare to comparable vehicles?



below average | average | above average

CHECKS

Battery Management System (BMS) - analysis failed	✕
Battery Sensor - analysis failed	✕
Battery Measurements - analysis failed	✕
Battery Cell Voltages - analysis failed	✕
Vehicle Communication - warning detected	!

SCAN FOR DETAILS

EVALUATION

INCONCLUSIVE - BATTERY HEALTH UNDETERMINED

The detailed battery diagnosis with the AVILOO FLASH test failed because not all requirements were met during the measurement. For Details scan the QR code.

For assistance, please contact AVILOO Customer Management.

Dr. Marcus Berger, CEO

CARA Approved Battery Health Check

ENERGY

	Gross	Net (Nominal)	Usable
Current:			
New:	86.2kWh	82.7kWh	79.5kWh

RANGE

	WLTP	Typical
Current:		
New:	505-576km	395km

EXECUTION PROTOCOL

AVILOO Box connected.	14:45:54
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)*:	77%	
SoC calculation accuracy:		✗
BMS State of Health (SoH)*:	100%	
SoH calculation accuracy:		✗

MEASUREMENTS

	Min	Max	Delta	Status
Battery Temperature	--°C	--°C	--°C	✗
Cell Voltage	--V	--V	--mV	✗
Pack Voltage	383.0V			
Average Current	--A			

MESSAGES

Analysis failed because not all necessary signals were received during data acquisition. Please repeat the test. If the problem persists, please contact AVILOO Customer Management.

*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 AVILOOs 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 Managament 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.

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