INDEPENDENT

BATTERY CERTIFICATE



CERTIFICATE NUMBER: 9E7C427C-2E42-4467-8F3C-B83C81F2D072

VEHICLE

BRAND: BMW

MODEL: 5 Series Plug-in Hybrid - 22,1

kWł

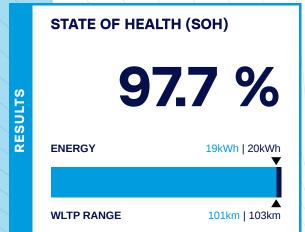
MILEAGE: 10,886 km

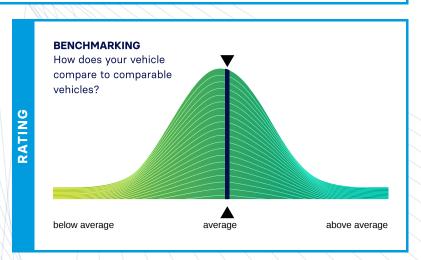
VIN: WBA71FJ05RCS03987

DATE AND TIME: 05.09.2025, 10:12:49

EXECUTED BY: 135024 - Bergwerff

Automotive B.V





Battery Management System (BMS)

Battery Sensor

Battery Measurements

Battery Cell Voltages

Vehicle Communication



EVALUATION

EXCELLENT 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 excellent condition.

The drive battery is therefore officially AVILOO Certified.

horas Reiser

Dr. Marcus Berger, CEO





CELL VOLTAGES DIAGRAM

, (5		Gross	Net (Nominal)	Usable
ENERGY	Current:	21.8kWh	19.1kWh	19.1kWh
Z U	New:	22.3kWh	19.5kWh	19.5kWh

	WLTP	Typical
Current:	62-101km	68km
New:	63-103km	69km

AVILOO Box connected.	10:12:4
FLASH Test started.	~
Vehicle detected.	~
Starting data acquisition.	~
Finished data acquisition.	~

(0	Voltage Sensor	~
SENSORS	Current Sensor	<u> </u>
SNII	Temperature Sensors	<u> </u>
S	Cell Voltage Sensors	~

		Value	Status
	BMS State of Charge (SoC)*:	1%	
BMS	SoC calculation accuracy:		~
m	BMS State of Health (SoH)*:	98%	
	SoH calculation accuracy:		~

	Min	Max	Delta	Statu
Battery Temperature	16.2°C	16.5°C	0.3°C	~
Cell Voltage	3.425V	3.431V	6mV	•
Pack Voltage	329.2V			
Average Current	-0.8A			

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
1 - 20	3.425	3.426	3.427	3.429	3.429	3.429	3.429	3.429	3.427	3.429	3.429	3.429	3.428	3.429	3.428	3.429	3.429	3.429	3.429	3.428
21 - 40	3.429	3.430	3.429	3.429	3.429	3.430	3.431	3.431	3.431	3.431	3.431	3.431	3.431	3.431	3.430	3.431	3.431	3.431	3.430	3.431
41 - 60	3.428	3.429	3.427	3.428	3.428	3.430	3.428	3.429	3.430	3.428	3.425	3.429	3.427	3.428	3.427	3.429	3.428	3.429	3.427	3.428
61 - 80	3.428	3.429	3.427	3.429	3.429	3.429	3.429	3.429	3.429	3.429	3.428	3.429	3.429	3.429	3.428	3.428	3.429	3.430	3.429	3.428
81 - 96	3.427	3.428	3.428	3.428	3.428	3.427	3.428	3.428	3.428	3.427	3.428	3.428	3.427	3.427	3.427	3.428	/	/	/	/
MIN 3.425 3.426 3.426 3.427 3.428 3.429 3.430 3.431 MAX																				

^{*}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.