INDEPENDENT

BATTERY CERTIFICATE



CERTIFICATE NUMBER: 0EDA9BCB-F14D-476C-981E-80DBCD2E8123

VEHICLE

BRAND: BMW

MODEL: X5 xDrive50 - 29,5 kWh

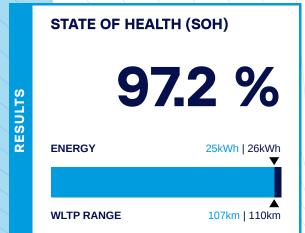
MILEAGE: 14,180 km

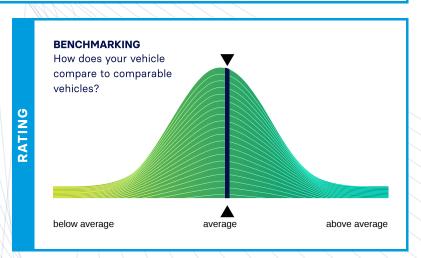
VIN: WBA41EU0X09W82559

DATE AND TIME: 28.08.2025, 15:44:07

EXECUTED BY: 135024 - Bergwerff

Automotive B.V





Battery Management System (BMS)

Battery Sensor

Battery Measurements

Battery Cell Voltages

Vehicle Communication



LUATION

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

34		Gross	Net (Nominal)	Usable
ENERGY	Current:	28.7kWh	25.0kWh	25.0kWh
Ш	New:	29.5kWh	25.7kWh	25.7kWh

SENSORS	Voltage Sensor	<u> </u>
ORS	Current Sensor	<u> </u>
SZ	Temperature Sensors	~
S	Cell Voltage Sensors	<u> </u>

w.		WLTP	Typical
RANGE	Current:	91-107km	76km
A	New:	94-110km	78km
₩	New:	94-110km	78km

		Value	Status
	BMS State of Charge (SoC)*:	6%	
BMS	SoC calculation accuracy:		~
m	BMS State of Health (SoH)*:	97%	
	SoH calculation accuracy:		~

A۱	VILOO Box connected.	15:44:03
FL	ASH Test started.	~
Ve	ehicle detected.	~
St	arting data acquisition.	~
Fi	nished data acquisition.	~

Min	Max	Delta	Statu
21.8°C	22.3°C	0.4°C	~
3.504V	3.508V	4mV	~
308.6V			
3.8A			
	21.8°C 3.504V 308.6V	21.8°C 22.3°C 3.504V 3.508V 308.6V	21.8°C 22.3°C 0.4°C 3.504V 3.508V 4mV 308.6V

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
1 - 20	3.506	3.506	3.506	3.505	3.506	3.506	3.506	3.506	3.505	3.506	3.506	3.506	3.506	3.506	3.506	3.506	3.504	3.506	3.506	3.506
21 - 40	3.506	3.506	3.507	3.506	3.506	3.507	3.508	3.506	3.506	3.507	3.507	3.506	3.507	3.507	3.507	3.508	3.507	3.507	3.506	3.506
41 - 60	3.508	3.507	3.508	3.506	3.507	3.506	3.507	3.506	3.506	3.506	3.507	3.506	3.507	3.507	3.506	3.507	3.507	3.506	3.506	3.507
61 - 80	3.507	3.507	3.507	3.507	3.507	3.508	3.508	3.507	3.507	3.507	3.507	3.507	3.508	3.508	3.507	3.507	3.507	3.507	3.507	3.507
81 - 88	3.506	3.507	3.507	3.507	3.506	3.508	3.506	3.507	/	/	/	/	/	/	/	/	/	/	/	/
MIN																				

^{*}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.