INDEPENDENT

BATTERY CERTIFICATE

AVILOO
BATTERY DIAGNOSTICS

CERTIFICATE NUMBER: 9FE1C437-A0D6-4CC6-8DE6-6EC16AD12E78

VEHICLE

BRAND: BMW
MODEL: iX xDrive 40 - 76,6 kWh

MILEAGE: 43,618 km
VIN: WBY11CF030CN40627
DATE AND TIME:
29.08.2025, 08:45:01

EXECUTED BY: 135024 - Bergwerff Automotive B.V

RESULTS

STATE OF HEALTH (SOH)

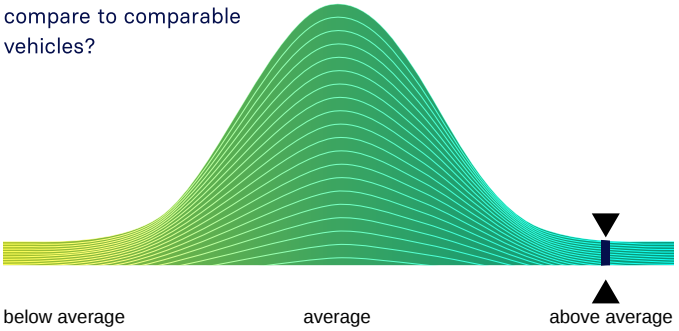
100.8 %

ENERGY 75kWh | 74kWh

WLTP RANGE 428km | 425km

RATING

BENCHMARKING
How does your vehicle compare to comparable vehicles?



CHECKS

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

SCAN FOR DETAILS

EVALUATION

OUTSTANDING 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 outstanding condition.

The drive battery is therefore officially AVILOO Certified.

Dr. Marcus Berger, CEO

CARA Approved Battery Health Check

BATTERY IS TESTED AND CERTIFIED BY AVILOO
AVILOO CERTIFIED

ENERGY

	Gross	Net (Nominal)	Usable
Current:	77.2kWh	74.7kWh	71.6kWh
New:	76.6kWh	74.1kWh	71.0kWh

RANGE

	WLTP	Typical	Individual
Current:	375-428km	306km	311km
New:	372-425km	304km	308km

EXECUTION PROTOCOL

AVILOO Box connected. **08:44:57**

- FLASH Test started. ✓
- Vehicle detected. ✓
- Starting data acquisition. ✓
- Finished data acquisition. ✓

SENSORS

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

BMS

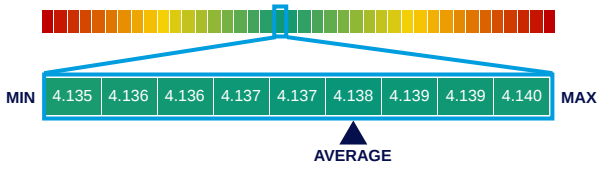
	Value	Status
BMS State of Charge (SoC)*:	97%	
SoC calculation accuracy:		✓
BMS State of Health (SoH)*:	105%	
SoH calculation accuracy:		✓

MEASUREMENTS

	Min	Max	Delta	Status
Battery Temperature	18.9°C	19.8°C	0.9°C	✓
Cell Voltage	4.135V	4.140V	5mV	✓
Pack Voltage	373.0V			
Average Current	-1.2A			

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	4.138	4.139	4.139	4.138	4.138	4.138	4.139	4.138	4.138	4.139	4.139	4.138	4.138	4.137	4.137	4.137	4.140	4.137	4.136	4.136
21 - 40	4.137	4.137	4.136	4.136	4.136	4.137	4.136	4.138	4.138	4.137	4.136	4.139	4.138	4.138	4.137	4.139	4.138	4.138	4.139	4.138
41 - 60	4.138	4.138	4.138	4.138	4.137	4.138	4.139	4.139	4.139	4.138	4.138	4.139	4.138	4.138	4.138	4.136	4.137	4.136	4.136	4.135
61 - 80	4.137	4.136	4.138	4.138	4.139	4.137	4.138	4.139	4.137	4.139	4.138	4.138	4.137	4.137	4.137	4.136	4.135	4.136	4.137	4.138
81 - 90	4.137	4.137	4.138	4.138	4.137	4.137	4.138	4.138	4.138	4.138										



MESSAGES

The calculated SoH is over 100%, which means that your vehicles battery can store more energy than that of an average new vehicle of the same type. For more information, please scan the QR code.

*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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