

INDEPENDENT BATTERY CERTIFICATE



CERTIFICATE NUMBER: F3D1C04A-AAEC-40C5-94AC-9DFC215F20A0

VEHICLE

BRAND: BMW
MODEL: iX3 - 80 kWh

MILEAGE: 53,825 km
VIN: WBY41DU07NS421689
DATE AND TIME:
08.10.2025, 14:14:29

EXECUTED BY: Carla AB

RESULTS

STATE OF HEALTH (SOH)

98.0 %

ENERGY

80kWh | 82kWh



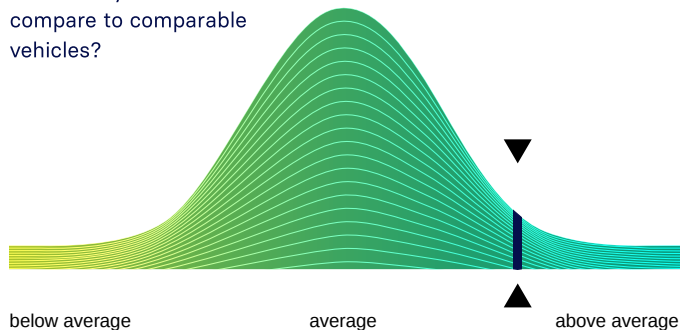
WLTP RANGE

451km | 460km

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

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.

Marcus Berger

Dr. Marcus Berger, CEO



ENERGY

	Gross	Net (Nominal)	Usable
Current:	80.3kWh	79.9kWh	73.8kWh
New:	82.0kWh	81.5kWh	75.3kWh

RANGE

	WLTP	Typical	Individual
Current:	451-451km	331km	298km
New:	460-460km	338km	304km

EXECUTION PROTOCOL

AVILOO Box connected. 14:14:25

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)*:	81%	
SoC calculation accuracy:		✓
BMS State of Health (SoH)*:	100%	
SoH calculation accuracy:		✓

MEASUREMENTS

	Min	Max	Delta	Status
Battery Temperature	17.0°C	18.9°C	2.0°C	✓
Cell Voltage	4.035V	4.039V	4mV	✓
Pack Voltage	380.0V			
Average Current	-7.6A			

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	4.037	4.037	4.037	4.037	4.037	4.037	4.037	4.037	4.037	4.037	4.037	4.037	4.037	4.037	4.037	4.037	4.037	4.037	4.037	4.037
21 - 40	4.037	4.037	4.038	4.038	4.037	4.037	4.037	4.038	4.037	4.039	4.037	4.037	4.037	4.037	4.037	4.037	4.037	4.037	4.037	4.038
41 - 60	4.037	4.037	4.037	4.037	4.037	4.037	4.037	4.037	4.037	4.037	4.037	4.037	4.037	4.036	4.037	4.037	4.036	4.037	4.037	4.037