

INDEPENDENT

# BATTERY CERTIFICATE



CERTIFICATE NUMBER: 10180B43-3F1D-4F89-883F-CD1629E3FE3C

VEHICLE

BRAND: Mercedes-Benz  
MODEL: EQB - 66,5kWh

MILEAGE: 112,596 km  
VIN: W1N2436081N004218  
DATE AND TIME:  
11/02/2026, 12:15:52

EXECUTED BY: Carla AB

RESULTS

## STATE OF HEALTH (SOH)

96.0 %

ENERGY

64kWh | 67kWh



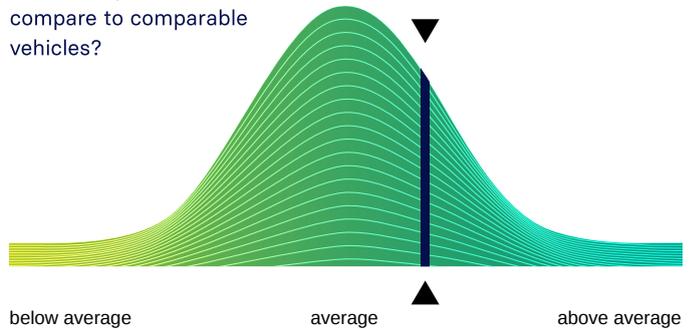
WLTP RANGE

458km | 477km

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

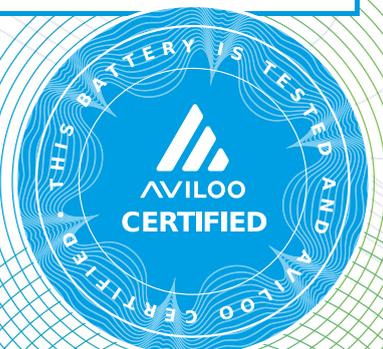
EVALUATION

## 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.

Dr. Marcus Berger, CEO



**ENERGY**

	Gross	Net (Nominal)	Usable
Current:	66.0kWh	63.8kWh	62.4kWh
New:	68.8kWh	66.5kWh	65.0kWh

**RANGE**

	WLTP	Typical
Current:	379-458km	307km
New:	395-477km	320km

**EXECUTION PROTOCOL**

<b>AVILOO Box connected.</b>	<b>13:15:48</b>
FLASH Test started.	✓
Starting data acquisition.	✓
Vehicle detected.	✓
Finished data acquisition.	✓
Analyzing data.	✓
Analysis completed.	✓

**SENSORS**

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

**BMS**

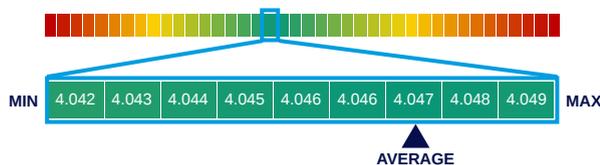
	Value	Status
BMS State of Charge (SoC)*:	88%	
SoC calculation accuracy:		✓
BMS State of Health (SoH)*:	96%	
SoH calculation accuracy:		✓

**MEASUREMENTS**

	Min	Max	Delta	Status
Battery Temperature	12.0°C	13.0°C	1.0°C	✓
Cell Voltage	4.042V	4.049V	8mV	✓
Pack Voltage	404.6V			
Average Current	-6.4A			

**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	4.047	4.046	4.046	4.044	4.046	4.046	4.046	4.047	4.047	4.045	4.044	4.046	4.047	4.047	4.047	4.045	4.045	4.044	4.042	4.045
21 - 40	4.044	4.043	4.045	4.045	4.046	4.045	4.046	4.044	4.046	4.046	4.046	4.044	4.048	4.048	4.048	4.048	4.047	4.048	4.048	4.048
41 - 60	4.048	4.048	4.048	4.048	4.048	4.048	4.048	4.047	4.047	4.045	4.047	4.046	4.047	4.046	4.046	4.047	4.047	4.047	4.048	4.042
61 - 80	4.047	4.048	4.047	4.048	4.048	4.048	4.047	4.047	4.047	4.047	4.047	4.047	4.047	4.046	4.046	4.047	4.047	4.047	4.046	4.047
81 - 100	4.047	4.047	4.047	4.046	4.047	4.047	4.047	4.047	4.047	4.047	4.047	4.049	4.047	4.047	4.046	4.046	4.047	4.048	4.047	4.045



\*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 AVILOO's 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 Management 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.