

# INDEPENDENT BATTERY CERTIFICATE



CERTIFICATE NUMBER: 3E48BAD5-3981-4850-9E00-A8E20D33F33B

## VEHICLE

BRAND: Mercedes-Benz

MILEAGE: 21,675 km

EXECUTED BY: Carla AB

MODEL: EQA - 66,5 kWh

VIN: W1N2437121J029927

DATE AND TIME:

30.01.2026, 07:38:35

## RESULTS

### STATE OF HEALTH (SOH)

**96.5 %**

ENERGY

64kWh | 67kWh

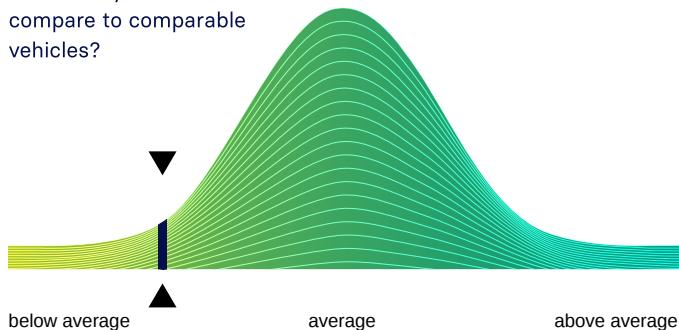
WLTP RANGE

479km | 496km

## RATING

### BENCHMARKING

How does your vehicle compare to comparable vehicles?



## CHECKS

Battery Management System (BMS) ✓

Battery Sensor ✓

Battery Measurements ✓

Battery Cell Voltages ✓

Vehicle Communication ✓



## EVALUATION

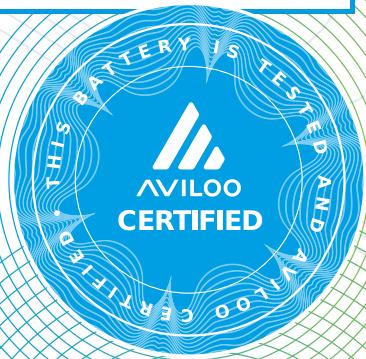
### GOOD HEALTH - NO ABNORMALITIES DETECTED

Based on the detailed battery diagnostics performed with the AVILOO FLASH Test, we hereby certify that the drive battery of this vehicle is in good condition.

The drive battery is therefore officially AVILOO Certified.



Dr. Marcus Berger, CEO



## CELL VOLTAGES DIAGRAM

## EXECUTION PROTOCOL

## RANGE

## ENERGY

Gross	Net (Nominal)	Usable
Current: 66.4kWh	64.2kWh	62.7kWh
New: 68.8kWh	66.5kWh	65.0kWh

WLTP	Typical
Current: 388-479km	314km
New: 402-496km	325km

AVILOO Box connected. 07:38:31

- 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	✓

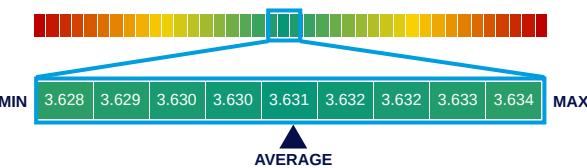
## BMS

	Value	Status
BMS State of Charge (SoC)*:	39%	
SoC calculation accuracy:		✓
BMS State of Health (SoH)*:	96%	
SoH calculation accuracy:		✓

## MEASUREMENTS

	Min	Max	Delta	Status
Battery Temperature	11.0°C	12.0°C	1.0°C	✓
Cell Voltage	3.628V	3.634V	6mV	✓
Pack Voltage	363.1V			
Average Current	-8.7A			

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
1 - 20	3.633	3.631	3.631	3.632	3.631	3.632	3.631	3.632	3.631	3.632	3.631	3.632	3.632	3.632	3.631	3.632	3.631	3.631	3.631	
21 - 40	3.631	3.631	3.631	3.631	3.631	3.631	3.632	3.631	3.631	3.631	3.631	3.634	3.633	3.632	3.632	3.632	3.633	3.632	3.633	
41 - 60	3.633	3.633	3.633	3.632	3.633	3.633	3.634	3.633	3.632	3.631	3.631	3.631	3.632	3.631	3.632	3.631	3.632	3.631	3.631	
61 - 80	3.631	3.633	3.631	3.633	3.632	3.632	3.632	3.632	3.632	3.628	3.633	3.633	3.632	3.632	3.631	3.632	3.631	3.631	3.631	
81 - 100	3.632	3.631	3.631	3.632	3.632	3.631	3.631	3.631	3.631	3.631	3.631	3.631	3.631	3.631	3.631	3.631	3.631	3.631	3.631	



\*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.