INDEPENDENT

BATTERY CERTIFICATE

AVILOO
BATTERY DIAGNOSTICS

CERTIFICATE NUMBER: B43BD1BD-AC08-4389-83AC-DA048AE38DDA

VEHICLE

BRAND: BYD
MODEL: Seal - 82,56 kWh

MILEAGE: 92,850 km
VIN: LGXCH6CD8R2040855
DATE AND TIME:
02/11/2026, 09:23

EXECUTED BY: Carma

RESULTS

Independent
STATE OF HEALTH (SOH)

95.5 %

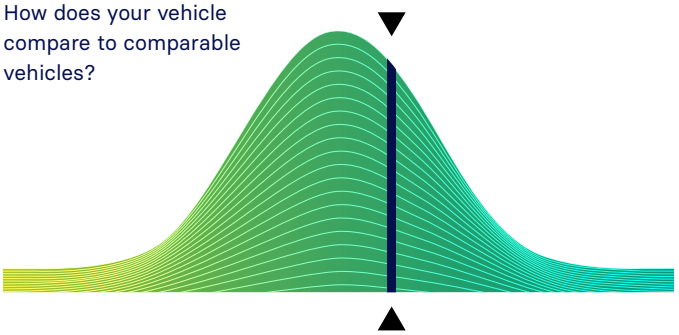
ENERGY 75kWh | 79kWh



WLTP RANGE 544km | 570km

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

CARA Approved Battery Health Check

BATTERY IS TESTED AND AVILOO CERTIFIED
AVILOO CERTIFIED

ENERGY

	Gross	Net (Nominal)	Usable
Current:	78.6kWh	75.4kWh	72.4kWh
New:	82.4kWh	79.0kWh	75.9kWh

RANGE

	WLTP	Typical
Current:	496-544km	382km
New:	520-570km	400km

EXECUTION PROTOCOL

AVILOO Box connected.	09:23:55
FLASH Test started.	✓
Vehicle detected.	✓
Data acquisition started.	✓
Data acquisition completed.	✓
Data analysis started.	✓
Data analysis completed.	✓

SENSORS

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

BMS

	Value	Status
BMS State of Charge (SoC)*:	20%	
SoC calculation accuracy:		✓
BMS State of Health (SoH)*:	96%	
SoH calculation accuracy:		✓

MEASUREMENTS

	Min	Max	Delta	Status
Battery Temperature	22.0°C	23.0°C	1.0°C	✓
Cell Voltage	3.240V	3.244V	5mV	✓
Pack Voltage	558.0V			
Average Current	-2.7A			

*The values shown here were read directly from the vehicle's battery management system (BMS) and are calculated and provided by the vehicle manufacturer. The State of Health (SoH) displayed corresponds to the value reported by the BMS and is CARA-certified.

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.

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