

INDEPENDENT

# Electric Vehicle Battery Certificate

Certificate issued by



Certificate creation time: 2026-09-17, 16:04

Certificate number: 20260917.261

## Vehicle information

Registration number / VIN  
ZBJ509 / WBA8E1100JK420465

Brand / Model  
BMW 3-serien

Odometer  
102670 km

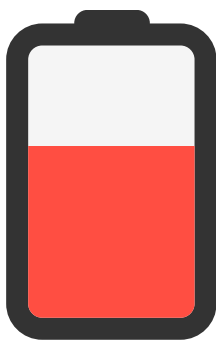
## Test results

Date and time of test: 2026-09-17, 16:04

Test performed by:

**kvd bil**

## State of health (SOH)



**63 %**

## Battery capacity

Estimated capacity



Factory new capacity

## WLTP range

Estimated WLTP



Factory new WLTP

## Diagnostics

|                     | MIN    | MAX    | DELTA  |
|---------------------|--------|--------|--------|
| Battery temperature | 26.0°C | 29.0°C | 3.0°C  |
| Cell voltage        | 3.969V | 4.022V | 53mV!* |

\*Warning: Elevated cell voltage deviation detected. A follow-up battery check is recommended.

### Method and control

Battery assessment is based on diagnostic data retrieved from the vehicle's OEM Battery Management System (BMS) and comparative reference data from similar vehicle models.

### Attest

The test was executed according to the OptiLedger SOH procedure with no known technical issues during data acquisition.

### Disclaimer

Results represent an estimated assessment of battery condition at the time of testing and do not constitute a warranty or guarantee of battery capacity, performance, or remaining lifetime. The original WLTP range is determined and published by the vehicle manufacturer under standardized laboratory test conditions. The estimated WLTP presented in this report is calculated from diagnostic data and reference parameters and does not represent actual driving range. Real-world range may vary depending on driving conditions, temperature, load, and driving behavior. Full methodology, limitations and liability disclaimer available at: [https://optiledger.se/legal/optiledger\\_battery\\_test\\_methodology\\_and\\_disclaimer.pdf](https://optiledger.se/legal/optiledger_battery_test_methodology_and_disclaimer.pdf).