

BayesianBESS — Battery Health Report

Vehicle: VChart1081 | Pack-Level Report | Generated: 12 Mar 2026 05:48

Pack Summary

Metric	Value
Total Cells	16
Cells: OK	16
Cells: OBSERVE	0
Cells: CRITICAL	0
Pack SOH (BMS)	100.0%
Avg Cell SOH (spread-derived)	96.8%
Cycle Count	0
Calendar Age	500 days
Lowest Cell RUL	2400 cycles (Cell 1)
Pack Status	OK

Cell-by-Cell Overview

Cell	Cell SOH	Spread (mV)	RUL (cycles)	Status
Cell 1	96.22%	38.2	2400	OK
Cell 2	95.00%	40.1	2400	OK
Cell 3	95.06%	40.0	2400	OK
Cell 4	95.00%	40.1	2400	OK
Cell 5	95.06%	40.0	2400	OK
Cell 6	96.92%	37.1	2400	OK
Cell 7	96.79%	37.3	2400	OK
Cell 8	96.79%	37.3	2400	OK
Cell 9	97.44%	36.3	2400	OK
Cell 10	98.14%	35.2	2400	OK
Cell 11	96.28%	38.1	2400	OK
Cell 12	98.08%	35.3	2400	OK
Cell 13	100.00%	32.3	2400	OK

Cell 14	98.65%	34.4	2400	OK
Cell 15	96.86%	37.2	2400	OK
Cell 16	95.71%	39.0	2400	OK

Pack BMS SOH: 100.0% | Cell SOH derived from temporal voltage spread (p90-p10, active rows).

Voltage Profile

Cell voltage min/max/spread for all cells (active rows, p10/p90). LFP safe ceiling = 3.65 V. High spread → wider OCV arc traversed → lower cell SOH.

Cell	V Avg	V Min (p10)	V Max (p90)	Spread (mV)	Cell SOH
Cell 1	3.3154	3.2739	3.3121	38.2	96.22%
Cell 2	3.3142	3.2709	3.3110	40.1	95.00%
Cell 3	3.3153	3.2720	3.3120	40.0	95.06%
Cell 4	3.3150	3.2710	3.3111	40.1	95.00%
Cell 5	3.3151	3.2720	3.3120	40.0	95.06%
Cell 6	3.3157	3.2749	3.3120	37.1	96.92%
Cell 7	3.3153	3.2747	3.3120	37.3	96.79%
Cell 8	3.3142	3.2747	3.3120	37.3	96.79%
Cell 9	3.3151	3.2757	3.3120	36.3	97.44%
Cell 10	3.3150	3.2759	3.3111	35.2	98.14%
Cell 11	3.3123	3.2709	3.3090	38.1	96.28%
Cell 12	3.3151	3.2758	3.3111	35.3	98.08%
Cell 13	3.3149	3.2787	3.3110	32.3	100.00%
Cell 14	3.3140	3.2757	3.3101	34.4	98.65%
Cell 15	3.3150	3.2738	3.3110	37.2	96.86%
Cell 16	3.3141	3.2720	3.3110	39.0	95.71%

Pack-Level Findings

✓ All cells operating within normal parameters.

Pack Recommendation

OK: All 16 cells operating normally. Continue standard monitoring schedule.