

BayesianBESS — Battery Health Report

Vehicle: VChart1081 | Pack-Level Report | Generated: 13 Mar 2026 01:41

Pack Summary

Metric	Value
Total Cells	16
Cells: OK	16
Cells: OBSERVE	0
Cells: CRITICAL	0
Pack SOH (BMS)	95.2%
Avg Cell SOH (spread-derived)	93.7%
Cycle Count	1123
Calendar Age	500 days
Lowest Cell RUL	843 cycles (Cell 7)
Pack Status	OK

Cell-by-Cell Overview

Cell	Cell SOH	Spread (mV)	RUL (cycles)	Status
Cell 1	94.90%	59.0	2384	OK
Cell 2	90.58%	106.3	887	OK
Cell 3	95.06%	57.3	2524	OK
Cell 4	93.85%	70.5	1860	OK
Cell 5	93.85%	70.5	1870	OK
Cell 6	95.15%	56.3	2622	OK
Cell 7	90.24%	110.0	843	OK
Cell 8	94.94%	58.6	2474	OK
Cell 9	90.39%	108.3	871	OK
Cell 10	95.15%	56.3	2622	OK
Cell 11	95.24%	55.3	2691	OK
Cell 12	93.81%	70.9	1854	OK
Cell 13	92.89%	81.0	1494	OK

Cell 14	94.85%	59.6	2416	OK
Cell 15	94.96%	58.3	2496	OK
Cell 16	94.12%	67.5	2004	OK

Pack BMS SOH: 95.2% | 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	3.3174	3.2680	3.3270	59.0	94.90%
Cell 2	3.3706	3.2710	3.3773	106.3 ■	90.58%
Cell 3	3.3140	3.2660	3.3233	57.3	95.06%
Cell 4	3.3231	3.2680	3.3385	70.5	93.85%
Cell 5	3.3235	3.2680	3.3385	70.5	93.85%
Cell 6	3.3160	3.2680	3.3243	56.3	95.15%
Cell 7	3.3931	3.2690	3.3790	110.0 ■	90.24%
Cell 8	3.3189	3.2700	3.3286	58.6	94.94%
Cell 9	3.3725	3.2690	3.3773	108.3 ■	90.39%
Cell 10	3.3141	3.2667	3.3230	56.3	95.15%
Cell 11	3.3164	3.2700	3.3253	55.3	95.24%
Cell 12	3.3243	3.2690	3.3399	70.9	93.81%
Cell 13	3.3291	3.2690	3.3500	81.0 ■	92.89%
Cell 14	3.3172	3.2677	3.3273	59.6	94.85%
Cell 15	3.3142	3.2667	3.3250	58.3	94.96%
Cell 16	3.3221	3.2690	3.3365	67.5	94.12%

Pack-Level Findings

✓ All cells operating within normal parameters.

Pack Recommendation

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