BayesianBESS — Battery Health Report

Vehicle: **VChart** | Pack-Level Report | Generated: 25 Mar 2026 13:12

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)	98.0%
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	95.00%	64.8	2400	OK
Cell 2	100.00%	61.8	2400	OK
Cell 3	98.33%	62.8	2400	OK
Cell 4	98.33%	62.8	2400	OK
Cell 5	96.67%	63.8	2400	OK
Cell 6	99.67%	62.0	2400	OK
Cell 7	96.67%	63.8	2400	OK
Cell 8	96.67%	63.8	2400	OK
Cell 9	96.67%	63.8	2400	OK
Cell 10	99.67%	62.0	2400	OK
Cell 11	96.67%	63.8	2400	OK
Cell 12	98.67%	62.6	2400	OK
Cell 13	100.00%	61.8	2400	OK

Cell 14	98.33%	62.8	2400	OK
Cell 15	98.00%	63.0	2400	OK
Cell 16	98.33%	62.8	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	3.3040	3.2600	3.3248	64.8	95.00%
Cell 2	3.3047	3.2620	3.3238	61.8	100.00%
Cell 3	3.3050	3.2620	3.3248	62.8	98.33%
Cell 4	3.3039	3.2610	3.3238	62.8	98.33%
Cell 5	3.3048	3.2610	3.3248	63.8	96.67%
Cell 6	3.3042	3.2610	3.3230	62.0	99.67%
Cell 7	3.3052	3.2612	3.3250	63.8	96.67%
Cell 8	3.3039	3.2602	3.3240	63.8	96.67%
Cell 9	3.3040	3.2602	3.3240	63.8	96.67%
Cell 10	3.3046	3.2620	3.3240	62.0	99.67%
Cell 11	3.3041	3.2600	3.3238	63.8	96.67%
Cell 12	3.3052	3.2632	3.3258	62.6	98.67%
Cell 13	3.3046	3.2630	3.3248	61.8	100.00%
Cell 14	3.3042	3.2612	3.3240	62.8	98.33%
Cell 15	3.3046	3.2610	3.3240	63.0	98.00%
Cell 16	3.3049	3.2620	3.3248	62.8	98.33%

Pack-Level Findings

✓ All cells operating within normal parameters.

Pack Recommendation

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