BayesianBESS — Battery Health Report

Vehicle: **VChart (4)** | Pack-Level Report | Generated: 26 Mar 2026 06:30

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	200 days
Lowest Cell RUL	1800 cycles (Cell 1)
Pack Status	**OK**

Cell-by-Cell Overview

Cell	Cell SOH	Spread (mV)	RUL (cycles)	Status
Cell 1	95.96%	68.4	1800	OK
Cell 2	99.71%	58.2	1800	OK
Cell 3	99.04%	60.0	1800	OK
Cell 4	99.01%	60.1	1800	OK
Cell 5	96.80%	66.1	1800	OK
Cell 6	96.10%	68.0	1800	OK
Cell 7	97.76%	63.5	1800	OK
Cell 8	99.41%	59.0	1800	OK
Cell 9	100.00%	57.4	1800	OK
Cell 10	97.50%	64.2	1800	OK
Cell 11	97.57%	64.0	1800	OK
Cell 12	99.34%	59.2	1800	OK
Cell 13	99.56%	58.6	1800	OK

Cell 14	98.82%	60.6	1800	OK
Cell 15	96.36%	67.3	1800	OK
Cell 16	95.00%	71.0	1800	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	3.3328	3.2830	3.3514	68.4	95.96%
Cell 2	3.3318	3.2900	3.3482	58.2	99.71%
Cell 3	3.3308	3.2880	3.3480	60.0	99.04%
Cell 4	3.3311	3.2880	3.3481	60.1	99.01%
Cell 5	3.3402	3.2900	3.3561	66.1	96.80%
Cell 6	3.3268	3.2840	3.3520	68.0	96.10%
Cell 7	3.3339	3.2870	3.3505	63.5	97.76%
Cell 8	3.3284	3.2880	3.3470	59.0	99.41%
Cell 9	3.3329	3.2900	3.3474	57.4	100.00%
Cell 10	3.3445	3.2890	3.3532	64.2	97.50%
Cell 11	3.3324	3.2860	3.3500	64.0	97.57%
Cell 12	3.3304	3.2898	3.3490	59.2	99.34%
Cell 13	3.3328	3.2890	3.3476	58.6	99.56%
Cell 14	3.3353	3.2889	3.3495	60.6	98.82%
Cell 15	3.3379	3.2849	3.3522	67.3	96.36%
Cell 16	3.3371	3.2820	3.3530	71.0	95.00%

Pack-Level Findings

✓ All cells operating within normal parameters.

Pack Recommendation

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