BayesianBESS — Battery Health Report

Vehicle: **VChart985** | Pack-Level Report | Generated: 01 Apr 2026 06:23

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)	97.2%
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	97.69%	79.0	2400	OK
Cell 2	97.31%	80.0	2400	OK
Cell 3	97.69%	79.0	2400	OK
Cell 4	98.08%	78.0	2400	OK
Cell 5	98.08%	78.0	2400	OK
Cell 6	98.08%	78.0	2400	OK
Cell 7	96.15%	83.0	2400	OK
Cell 8	96.92%	81.0	2400	OK
Cell 9	96.15%	83.0	2400	OK
Cell 10	96.92%	81.0	2400	OK
Cell 11	95.00%	86.0	2400	OK
Cell 12	96.54%	82.0	2400	OK
Cell 13	96.92%	81.0	2400	OK

Cell 14	96.92%	81.0	2400	OK
Cell 15	97.31%	80.0	2400	OK
Cell 16	100.00%	73.0	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	3.3287	3.3040	3.3830	79.0	97.69%
Cell 2	3.3278	3.3020	3.3820	80.0	97.31%
Cell 3	3.3292	3.3050	3.3840	79.0	97.69%
Cell 4	3.3304	3.3070	3.3850	78.0	98.08%
Cell 5	3.3312	3.3080	3.3860	78.0	98.08%
Cell 6	3.3309	3.3090	3.3870	78.0	98.08%
Cell 7	3.3295	3.3010	3.3840	83.0 ■	96.15%
Cell 8	3.3304	3.3020	3.3830	81.0 ■	96.92%
Cell 9	3.3281	3.2990	3.3820	83.0 ■	96.15%
Cell 10	3.3282	3.3000	3.3810	81.0 ■	96.92%
Cell 11	3.3277	3.2990	3.3850	86.0 ■	95.00%
Cell 12	3.3286	3.3010	3.3830	82.0 ■	96.54%
Cell 13	3.3284	3.3020	3.3830	81.0 ■	96.92%
Cell 14	3.3286	3.3020	3.3830	81.0 ■	96.92%
Cell 15	3.3288	3.3040	3.3840	80.0	97.31%
Cell 16	3.3292	3.3110	3.3840	73.0	100.00%

Pack-Level Findings

✓ All cells operating within normal parameters.

Pack Recommendation

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