BayesianBESS — Battery Health Report

Vehicle: **VChart (7)** | Pack-Level Report | Generated: 26 Mar 2026 06:39

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)	97.9%
Cycle Count	0
Calendar Age	100 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	96.56%	43.0	1800	OK
Cell 2	98.67%	40.3	1800	OK
Cell 3	97.34%	42.0	1800	OK
Cell 4	98.44%	40.6	1800	OK
Cell 5	99.22%	39.6	1800	OK
Cell 6	99.69%	39.0	1800	OK
Cell 7	96.56%	43.0	1800	OK
Cell 8	98.91%	40.0	1800	OK
Cell 9	97.34%	42.0	1800	OK
Cell 10	97.11%	42.3	1800	OK
Cell 11	95.78%	44.0	1800	OK
Cell 12	95.00%	45.0	1800	OK
Cell 13	97.89%	41.3	1800	OK

Cell 14	98.12%	41.0	1800	OK
Cell 15	99.69%	39.0	1800	OK
Cell 16	100.00%	38.6	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	3.2830	3.2410	3.2840	43.0	96.56%
Cell 2	3.2820	3.2420	3.2823	40.3	98.67%
Cell 3	3.2824	3.2420	3.2840	42.0	97.34%
Cell 4	3.2829	3.2434	3.2840	40.6	98.44%
Cell 5	3.2824	3.2434	3.2830	39.6	99.22%
Cell 6	3.2846	3.2460	3.2850	39.0	99.69%
Cell 7	3.2847	3.2430	3.2860	43.0	96.56%
Cell 8	3.2821	3.2420	3.2820	40.0	98.91%
Cell 9	3.2825	3.2420	3.2840	42.0	97.34%
Cell 10	3.2816	3.2400	3.2823	42.3	97.11%
Cell 11	3.2823	3.2390	3.2830	44.0	95.78%
Cell 12	3.2828	3.2390	3.2840	45.0	95.00%
Cell 13	3.2828	3.2427	3.2840	41.3	97.89%
Cell 14	3.2823	3.2420	3.2830	41.0	98.12%
Cell 15	3.2832	3.2450	3.2840	39.0	99.69%
Cell 16	3.2840	3.2457	3.2843	38.6	100.00%

Pack-Level Findings

✓ All cells operating within normal parameters.

Pack Recommendation

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