

# BayesianBESS — Battery Health Report

Vehicle: VChart (1) | Pack-Level Report | Generated: 25 Mar 2026 13:16

## Pack Summary

Metric	Value
Total Cells	16
Cells: OK	15
Cells: OBSERVE	1
Cells: CRITICAL	0
Pack SOH (BMS)	100.0%
Avg Cell SOH (spread-derived)	96.9%
Cycle Count	0
Calendar Age	500 days
Lowest Cell RUL	2400 cycles (Cell 1)
<b>Pack Status</b>	<b>OBSERVE</b>

## Cell-by-Cell Overview

Cell	Cell SOH	Spread (mV)	RUL (cycles)	Status
Cell 1	95.00%	79.0	2400	OBSERVE
Cell 2	98.33%	77.0	2400	OK
Cell 3	96.00%	78.4	2400	OK
Cell 4	95.00%	79.0	2400	OK
Cell 5	96.67%	78.0	2400	OK
Cell 6	97.67%	77.4	2400	OK
Cell 7	96.67%	78.0	2400	OK
Cell 8	98.33%	77.0	2400	OK
Cell 9	96.67%	78.0	2400	OK
Cell 10	100.00%	76.0	2400	OK
Cell 11	96.67%	78.0	2400	OK
Cell 12	96.67%	78.0	2400	OK
Cell 13	96.67%	78.0	2400	OK

Cell 14	96.67%	78.0	2400	OK
Cell 15	96.67%	78.0	2400	OK
Cell 16	96.67%	78.0	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	3.2948	3.2410	3.3200	79.0	95.00%
Cell 2	3.2937	3.2420	3.3190	77.0	98.33%
Cell 3	3.2932	3.2406	3.3190	78.4	96.00%
Cell 4	3.2930	3.2400	3.3190	79.0	95.00%
Cell 5	3.2940	3.2410	3.3190	78.0	96.67%
Cell 6	3.2936	3.2416	3.3190	77.4	97.67%
Cell 7	3.2935	3.2410	3.3190	78.0	96.67%
Cell 8	3.2933	3.2410	3.3180	77.0	98.33%
Cell 9	3.2911	3.2400	3.3180	78.0	96.67%
Cell 10	3.2916	3.2420	3.3180	76.0	100.00%
Cell 11	3.2914	3.2400	3.3180	78.0	96.67%
Cell 12	3.2908	3.2390	3.3170	78.0	96.67%
Cell 13	3.2904	3.2390	3.3170	78.0	96.67%
Cell 14	3.2911	3.2400	3.3180	78.0	96.67%
Cell 15	3.2921	3.2410	3.3190	78.0	96.67%
Cell 16	3.2912	3.2400	3.3180	78.0	96.67%

## Pack-Level Findings

● **OBSERVE:** Cell 1: Temperature 45.5°C above safe operating limit (45°C)

## Pack Recommendation

**OBSERVE:** 1 cell(s) show elevated readings. Schedule pack inspection at next maintenance window. Monitor OBSERVE cells daily.