

BESSie Degradation Report: Solar Shift

BESSie v0.8.1 | AB Software LLC | LFP/Graphite

Parameter	Value	Parameter	Value
DOD	80%	Temperature	25°C
Charge C-rate	0.25C	Rest hours/cycle	19.0 h
Discharge C-rate	0.25C	Rest SOC	20%
Cycles/year	365	Chemistry	LFP/Graphite

1-Year Retention 97.3%	5-Year Retention 92.1%	10-Year Retention 85.8%	Est. EOL (80%) >10 yr	Calendar Fraction 54%
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Trust Tier: EXTRAPOLATED (Charge C-rate=0.25 outside calibrated range [1.00, 3.25]; Discharge C-rate=0.25 outside calibrated range [0.50, 2.00])

Outside calibration domain. Predictions use physics-based extrapolation but are not experimentally anchored. Use for indicative comparison only.

