

Dynami Battery Corp — SBV Protocol (Before & After Revisions) — 2025-10-26

Header

Company: Dynami Battery Corp | Homepage: <https://dynami-battery.com/> | As-of: 2025-10-26

BEFORE (Original SBV + Constriction)

Scope: Company site (primary) + 2+ independent sources. Key claims: chemistry-agnostic microstructured electrodes; faster charging and higher capacity; less critical minerals.

Position: Upstream electrode/process supplier; complementary to existing lines.

Bottlenecks (sev 0-5): B1 scale-up=5; B2 EHS/solvent=4; B3 anchor pilot=5; B4 certs=4; B5 unit-econ=4; B6 integration=3; B7 capital=4.

Metrics (fixed-scale): S=29, Md=4.0, Mx=5.0, Cx=1.25 → CI_fix=0.788. Readiness: TRL≈5, IRL≈3.5, ORL≈3.5, RCL≈1.5 → RI≈0.344. RAR≈0.073.

Wayback: Unknown—no public snapshot found on 2025-10-26 via pattern search; baseline for “funding since snapshot” skipped.

Evidence highlights: company homepage (value props & services); Third Derivative portfolio (5× faster; chemistry-agnostic); Koffman 2025 update (NSF-backed green-solvent work; prototyping); 2023 FuzeHub grant (NECCES/Dynami); NECCES dry-room context.

AFTER (Revised with Likely & Lovely + Skeptical Evidence)

New layers added:

- Evidence-based rating (E, 1-5), Theory-based rating (T, 1-5 with citations), Social proof (SP, 1-5), producing Likely score LS_norm.

- Lovely score LV (1-5). Claim Confidence Factor CCF = LS_norm×LV_norm.

- Evidence Penalty EP for unverified critical claims; RI_skeptical = RI×EP.

For headline claim (fast charge + capacity + less critical minerals): E=2 (no independent performance data); T=4 (peer-review supports microstructure transport benefits); SP=3 (accelerator/grant/incubator). LS_norm=0.55, LV=4 → LV_norm=0.8 → CCF=0.44.

Skeptical readiness: assume 3 of 4 critical claims unverified → p_unver=0.75; α=0.25 → EP=0.8125.

RI_skeptical≈0.279; RAR≈0.059.

Interpretation: core story remains promising (high Lovely), but limited external validation depresses Likely and RI_skeptical; near-term focus is anchored pilots, third-party performance curves, and pre-cert testing.

Citations (date-seen 2025-10-26)

- Dynami homepage (claims & services): <https://dynami-battery.com/>
- Third Derivative portfolio (5×, chemistry-agnostic, less critical minerals): <https://www.third-derivative.org/portfolio/dynami-battery>
- Koffman 2025 update (NSF-backed green-solvent work; prototyping): <https://thekoffman.com/dynami-brings-power-and-safer-production-to-battery-innovation/>
- FuzeHub 2023 grants (NECCES/Dynami \$50k project): <https://oswegocountytoday.com/news/fuzehub-announces-second-round-of-2023-grant-awards-to-support-innovations-in-manufacturing-throughout-new-york-state/>
- NECCES dry-room context: <https://www.binghamton.edu/centers/necces/dry-room/>
- Theory references: RSC 2025 review on electrode microstructure/transport; Wiley 2025 review on solvent-free electrodes.