

100% SILICON ACTIVE MATERIAL.

FULL-CELL FIRST-CYCLE EFFICIENCY UP TO 99%.

HypSi prelithiated pure-silicon anodes stabilize SEI formation from cycle one — without graphite dilution.

100%

SILICON ACTIVE MATERIAL

-75%REDUCED CO₂ FOOTPRINT**up to 99%**

FULL-CELL FIRST-CYCLE EFFICIENCY

100%

NON-CHINESE PRODUCTION

- Configurable prelithiation dose matched to the cell design.
- Optional lithium buffer up to 5%.
- LCO, LFP and NMC demonstrated.
- >500 stable cycles demonstrated; ~2% degradation at 500 cycles.

CONFIGURATION EXAMPLE / 18% PRELITHIATION

Material	Si	AB	CNT	Binder
wt. %	80	11	2	7
Width / length				12 / 17.5 cm
Coating deposition				3.17 mg/cm ²
Electrode thickness				32.5 μm
Active material loading				2.54 mg/cm ²
Prelithiation dose				18 %
Areal capacity				9.12 mAh/cm ²

CUSTOMIZATION OPTIONS

- Prelithiation dose
- Shape and dimensions
- A/C ratio
- Film thickness
- Areal density



Representative coated anode samples

REQUEST TECHNICAL SAMPLES

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