Cancrie
Powering Energy Storage

CANCRIE NANOCARBON FOR ULTRA PERFORMANCE IN BATTERIES

Cancrie Nanocarbon is a superior, high-quality carbon created using a patented process, specifically engineered to deliver exceptional performance in lead-acid batteries.

OPTIMAL PERFORMANCE

3X HIGHER VOLUME
4X HIGHER BONDING STRENGTH

LEAD-ACID BATTERIES

- Higher Ah/Wh Efficiency
- Superior Charge Acceptance & Fast Charging Up to 0.22C Rates
- Longer Cycle Life & Reduced Sulfation
- Improved Capacities at Higher Discharge Rate

CANCRIE NANOCARBON FEATURES

- **Advanced Chemistry:** Cancrie Nanocarbon's nano-scale operation ensures smoother electrolyte flow and efficient current transfer, outperforming conventional carbon materials.
- **Proven to excel:** Proven at industrial-scale for over years & trusted in **lacs** of batteries. Cancrie Nanocarbon offers consistent reliability.

APPLICATIONS

- Solar
- E-Rickshaw
- Forklift
- Telecom
- Motor Vehicle Starting & many more

Product Specifications	
Chemical Formula	C
Bulk Density	0.1 g/cm³
Mesh Size	D-50: 15 µm
Physical form	Fluffy, Light Powder
Odour	Odourless
Color	Black

USED IN EMERGING TECHNOLOGIES

- Lithium-ion batteries
- Sodium-ion batteries
- Redox flow batteries
- Supercapacitors
- Fuel cells

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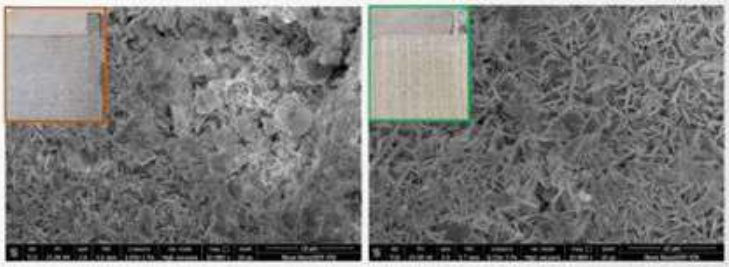
Cancrie Nanocarbon - Proven Results

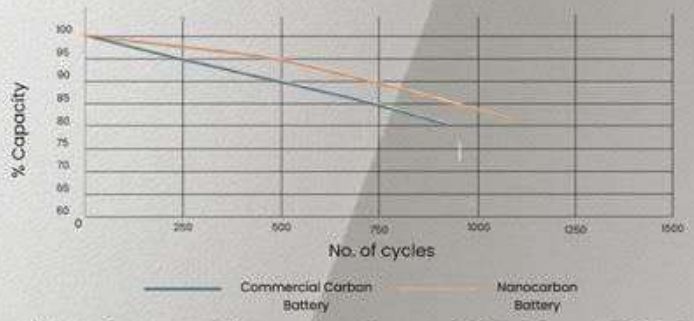
BETTER BONDING STRENGTH: 4X



With Carbon Black

With Cancrie Nanocarbon

BETTER CYCLING LIFE: 20% LONGER LIFE



Life cycle test - 8 hours charging @ 0.12C CC and 2.35 VPC CV - CC discharge @ 0.1C up to 80% DoD

HIGHER AH/WH EFFICIENCY

- **97% AH Efficiency**
- **85% WH Efficiency**

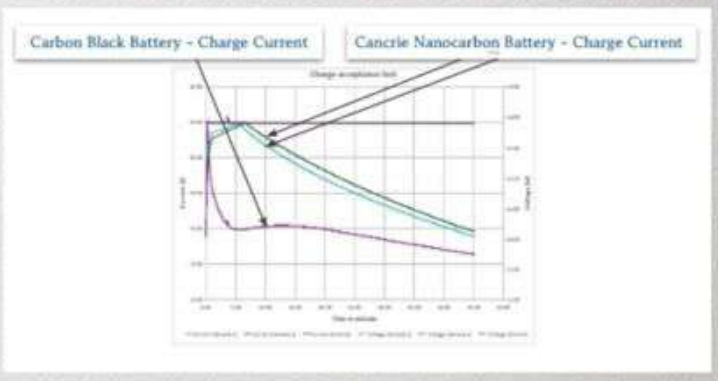
Cancrie Nanocarbon provides higher efficiency in lead-acid batteries.

20% HIGHER BACKUP

HIGHER OUTPUT AT HIGH DISCHARGE RATE

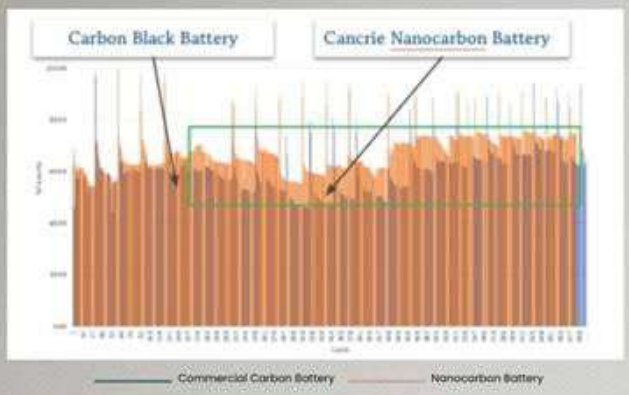
HRD of Batteries with Cancrie Carbon	% of C10 capacity at various high rate discharges
C5 rate	92.6%
C3 rate	80.65%
C2 rate	72.2%
C1 rate	57%

60%+ HIGHER CHARGE ACCEPTANCE



HIGHER OUTPUT IN SOLAR:

CHARGE ACCEPTANCE INCREASES WITH LIFE



TESTED AT THIRD PARTY NABL ACCREDITED LABS

ARAI
Progress through Research

Customized Energy Solutions
Analyze Simplify Implement