

WHO WE ARE

▶ BACKGROUND

Cancrïe enhances Solar Lead-Acid Tubular batteries with its proprietary engineered carbon that improves charge acceptance, reduces sulfation, and extends cycle life—especially under PSOC (Partial State of Charge) conditions common in solar applications.

✓ MEASURED & FIELD-VALIDATED OUTCOMES

Faster Recharge in Low-Sunlight Conditions
Improved charge acceptance in the negative plate
Better utilization of limited solar hours
Reduced “chronically undercharged” battery condition
Impact: Higher daily usable energy.

🎯 HIGHER RELIABILITY FOR RURAL & OFF-GRID SOLAR

- Solar home systems
- Rooftop PV with backup
- BESS for solar plants
- Microgrids
- Telecom solar hybrid systems
- Agriculture / pump controllers

Impact: Reduced downtime, more predictable energy availability.

CONNECT WITH US



BUSINESS@CANCRIE.CO
CANCRIE.CO



GET ALL YOUR QUERIES SOLVED.



CANCRIE NANOCARBON



QUALITY AND SUSTAINABILITY

THE CANCRIE ADVANTAGE

FASTER RECHARGE IN LOW-SUNLIGHT CONDITIONS

- Improved charge acceptance in the negative plate
- Better utilization of limited solar hours
- Reduced "chronically undercharged" battery condition

Impact: Higher daily usable energy.

15% LONGER FIELD LIFE

- Slows sulfation
- Stabilizes capacity over life
- Impact: Fewer replacements → lower lifetime cost per kWh

BETTER PERFORMANCE AT PSOC

Solar batteries rarely reach full charge. Cancrie's engineered carbon is optimized for exactly this scenario.

Result:

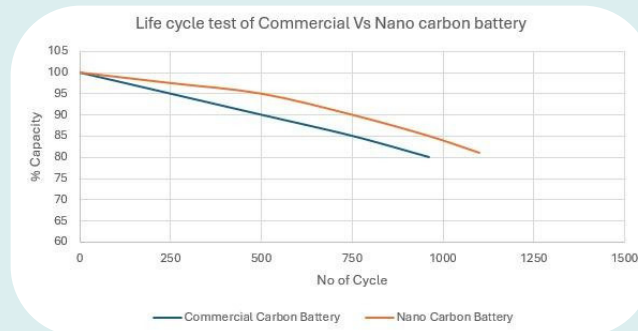
- Less hard sulfation
- More cycles
- Consistent performance throughout the year

WHY SOLAR BATTERY FAILS?

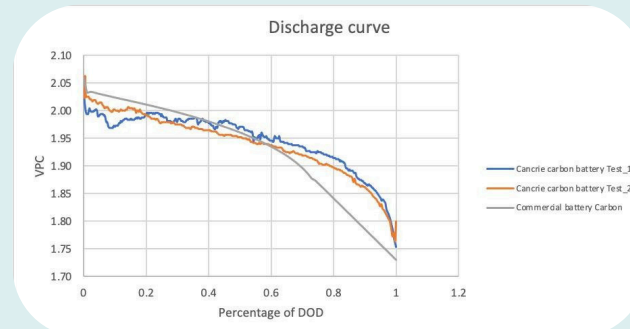
Solar batteries operate in tough conditions:

- Incomplete daily charging cycles
- High depth-of-discharge cycles
- Temperature swings
- Frequent cycling due to load-shedding or rural variability
- These lead to rapid sulfation, low recharge efficiency, and early capacity loss.
- This is exactly where Cancrie upgrades make the difference.

PROVEN DATA AT ARAI AND FIELD



15% Higher Lifecycle during continuous cycling @.1C upto 80% DoD



Higher Backup & Stable Voltage Profile in Solar Tubular Batteries

PRODUCT & SERVICES

ADVANCED
NANOCARBONS FOR
ALL TYPES OF LEAD
ACID & LITHIUM ION,
SODIUM ION
BATTERIES

MATERIALS
EXPERTISE



From backup power to mobility, Cancrie's carbon technology upgrades all Lead-Acid battery applications with extended life, improved energy throughput, and consistent performance.