



BLACK DIAMOND  
STRUCTURES™

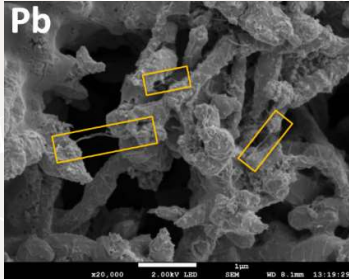


Innovative  
Nanomaterial  
Solution

# Pb 3400N Series



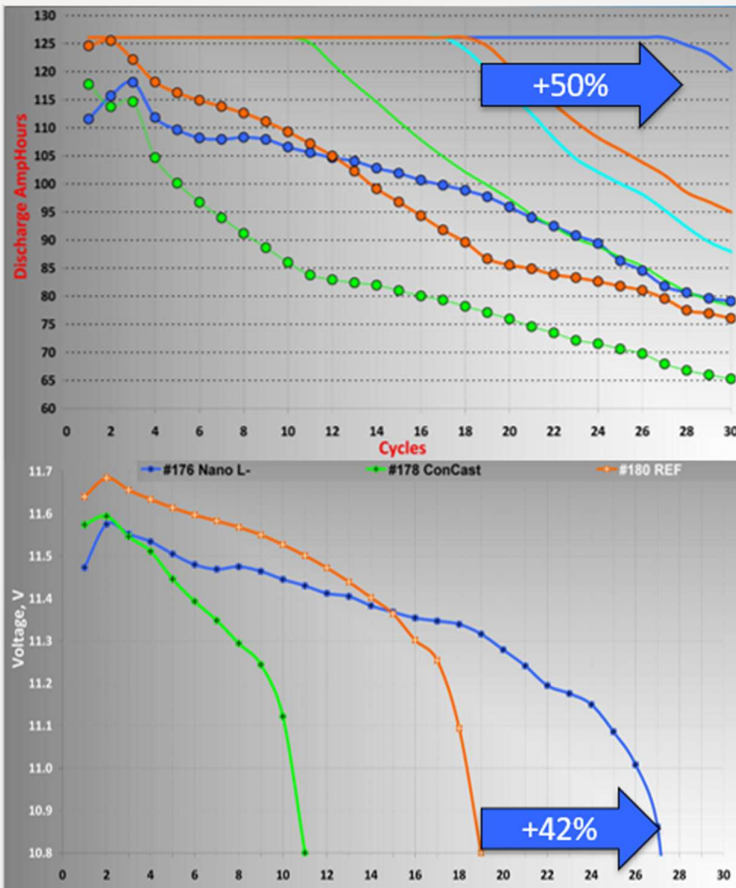
ESS



MOLECULAR REBAR® - based products provide nanoscale, electroactive reinforcements which act to bring the active material together, reinforcing electrode structure, alter interparticle connectivity and morphology to enhance active material structure, overcome structural and chemical limitations that induce failure.

## Technical Advantages

MOLECULAR REBAR® when added in negative plates can increase the field life of the ESS batteries dramatically, enables higher performance with excellent PSoC capabilities.



A rapid, high-temp EU cycling test show:

- MR allows for improved consistency of performance,
- MR battery maintains stable capacity through cycling, 50% Longer delivery.
- MR battery maintains a steady EoDV through cycling, 42% higher
- Extended Life
- Reduced "Refresh" Charging
- Enhanced PSoC Performance