



**Ceylon Graphene  
Technologies**

## BATTERY ADDITIVES



**AltaLAB GX**



AltaLAB GX Graphene based battery additive produced from Sri Lankan vein graphite, purity and unique morphology of vein graphite gives additional enhanced feature in final battery additive product. Enhanced design of the AltaLAB GX graphene additive mainly focused on improvement of lead acid battery performance.

Alta LAB GX graphene-based additive is typically added to a negative electrode paste in loadings that range from 0.2-0.3 wt%, loading will be varied within the range according to the required performance enhancement.

### APPLICATIONS



Automobile and  
micro hybrids



Energy storage  
systems



E-bikes

PROPERTIES	VALUES
Bet Area	750 ± 50 m <sup>2</sup> /g
Iron	<1%
Other metals	<1%
Tapped density	5.9 x 10 <sup>-3</sup> g/cm <sup>3</sup>
Sheet dimension	< 90 μm, < 125 μm
Appearance	Soft black powder platelets
Odor	Odorless
Stability	Stable in room condition

### ADVANTAGES OF ALTALAB GX

- ✓ Increase conductivity and electro active surface area.
- ✓ Enhance Capacitance and increases nucleation sites.
- ✓ Reduces the sulfation and increases the cycle life.
- ✓ Reduces water-loss and hydrogen evolution

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