



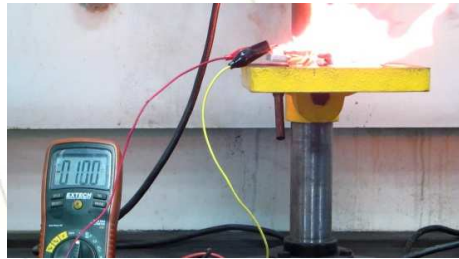
Non-flammable Li-ion Batteries

High energy density, Non-flammable, Graphene-enabled, Excellent Safety Performance

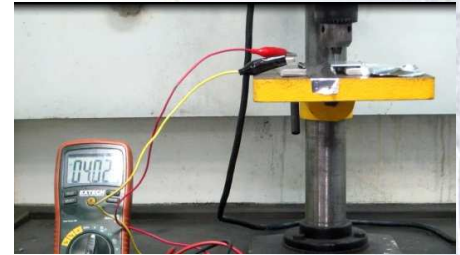
Nanotek Instruments, Inc., established in 1997, specializes in using cutting edge nanotechnology for consumer applications.

The core business revolves around energy storage devices such as supercapacitors, fuel cells, and next generation batteries.

Nanotek Instruments holds the very first patent on the production of the “wonder material” graphene. Together with our subsidiary, Angstrom Materials, we use this expertise to incorporate graphene into energy applications where we can fully utilize its amazing properties.



Standard Li-ion Battery, penetration test, cell terminal voltage dropped from 4.1V to 0.01V. Burned in 5 seconds.



Non-flammable Li-ion Battery from Nanotek, penetration test, cell terminal voltage dropped from 4.1V to 4.0V. No smoke or temperature rising.

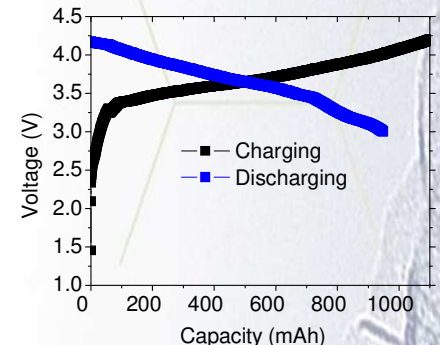
Nanotek’s graphene-based non-flammable lithium-ion batteries are designed and fabricated with our patent-protected, innovative technology.

Characteristics

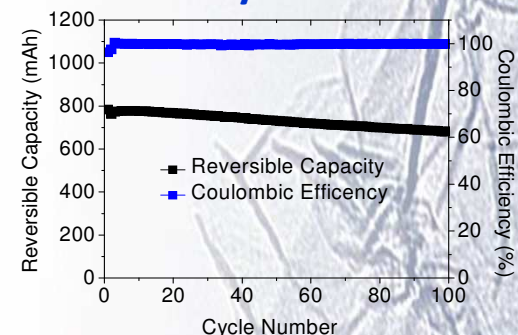
- Energy density reaching 800 Wh/L with Nanotek’s novel electrode materials
- Good rate and cycle performance due to the 2-D nano geometry and superior electrical conductivity of graphene
- Non-flammable with Nanotek’s novel electrolyte and cell components
- Cost-effective

Applications

- Electric vehicles and mobile power supply systems
- Portable electronic devices and smart gears



First Cycle Curves



Cycle Performance

