

GRIDBANK – GRID SCALE ENERGY STORAGE

GridBanks are scalable energy reservoirs that store and deliver grid-scale electricity on demand.

Stores & Delivers Energy

Balance Transmission & Distribution

Creates Efficiencies

Integrates Renewables

Increases Energy Security



2 MW / 1 MWh

per enclosure





Alevo Battery Technology (ABT) is safe, robust, and reliable. Different to all other battery systems, the Alevo electrolyte is non-flammable.

SAFE
Non-flammable
non-combustible
inorganic electrolyte



RELIABLE Extreme Long Life

55,000

Cycles & Counting



ORGANIC ELECTROLYTE vs. ALEVO INORGANIC ELECTROLYTE



HIGHLY FLAMMABLE

Organic electrolytes are **carbon based** which makes them inherently **flammable**.

LIMITED CYCLES

Has limited life with cycles maxing out at around 5,500.



LOW POWER

Additives are used to increase safety but also **lowers the performance**.



COMMODITY

All the chemistry for lithium ion batteries are very similar and there is no IP protecting basic formulations.





Independent sources have shown that inorganic electrolyte cannot be ignited.

HIGH CYCLES

Lab tests show 55,000 cycles and counting



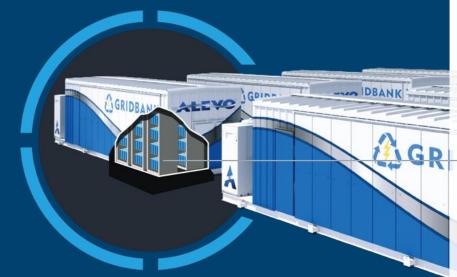
Alevo inorganic electrolyte is based on robust chemistry and shows no increase in internal resistance during life cycle or shelf life.

PROPRIETARY

Alevolyte patented IP and black box technology together insure Alevo's proprietary "secret sauce" electrolyte.



ALEVO BATTERY TECHNOLOGY (ABT)



At the core of GridBank is Alevo Battery Technology (ABT). Each GridBank is comprised of 22 racks, each with 80 modules of the Alevo Battery.

SAFE

Non-flammable, non-combustible inorganic electrolyte

ROBUST
Overcharge tolerant

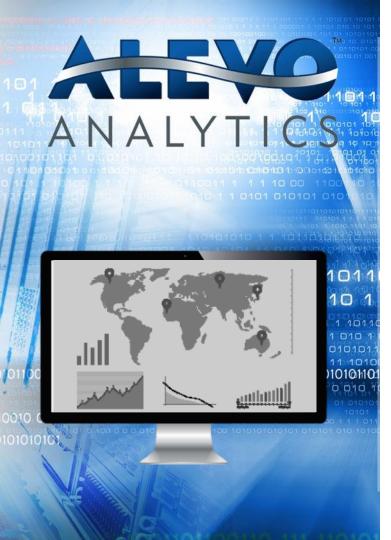
Extreme Long Life
55,000+ Cycles

APPLICATIONS & STACKED SERVICES

The GridBank, deployed and operated in conjunction Alevo Analytics, can provide a range of Stacked Services. GridBanks can provide multiple services at the same time, and will target applications based on market structures and customer need, as identified by Alevo Analytics.







Intelligent Data Analytics Designed for Energy Storage

- Cost Savings
- Efficiency Gains
- Environmental Impact Reductions
- Network Congestion Relief
- System Reliability Improvements
- Consumer Level Savings
- Optimal GridBank Deployment









Serving Load Reliability Energy Efficiency Optimization Demand Response Programs Demand Charge Mitigation Renewables Integration Energy Cost Reduction Self Balancing Voltage Control Power Quality



Alevo is an Energy Service Provider dedicated to solving the world's greatest energy challenges by using a combination of innovative battery technology and smart data analytics to store and release electricity when and where it is needed: reducing energy waste, creating efficiencies, and optimizing the grid.



THANK YOU.

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