

Powering Commercial Buildings with High-Performance, Non-Flammable, Sodium-ion Batteries

24/7 Reliable Energy. Rapidly Deployable. Without the Fire Risks.



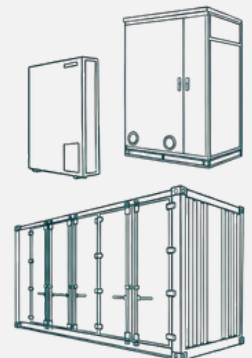
Property owners and operators face mounting pressure to reduce energy costs, meet sustainability targets, and ensure reliable power - without compromising safety.

- ➖ Electricity costs keep rising, making battery storage attractive - but lithium-ion has fire risks.
- ➖ Property owners want to phase out diesel generators but have no viable alternatives for power backup.
- ➖ Commercial buildings have limited space, and fire codes restrict where lithium-ion can be installed.
- ➖ Tenants worry about battery safety, making it hard to deploy energy storage on-site.

The Alsym Solution: Safety Without Compromise

-  **Unmatched Safety:**
Alsym's non-flammable NFPP+ chemistry does not go into thermal runaway or emit dangerous toxic gases, even if damaged.
-  **Extreme Resilience:**
Stable cell structures maintain performance in temperatures from -40°C to 60°C, removing the need for noisy and costly auxiliary HVAC systems.
-  **Flexible Siting:**
With no fire or toxicity hazards, Alsym batteries can be safely deployed inside facilities, on rooftops, or in basements.
-  **Go Big or Small:**
Deploy as 20-foot ISO battery storage containers, a battery cabinet, or distributed residential storage systems depending on building-specific needs.
-  **Lower Cost:**
No expensive, cooling systems or specialized fire suppression infrastructure needed, significantly reducing total cost of ownership (TCO) compared to lithium-ion systems.
-  **Secure Supply Chain:**
Using globally abundant, non-FEOC (Foreign Entity of Concern) sourced materials ensures long-term price stability and protects against geopolitical bottlenecks.

A Better Battery for Commercial Real Estate



Optimized for Commercial Real Estate Applications

The Alsym Na-Series provides a versatile energy asset that stabilizes costs and can be safely deployed across your real estate portfolio.

Backup Power & Resilience

Reliable 2-12+ hour backup with minimal self-discharge (<3% monthly). Keep elevators, emergency lighting, HVAC, and security systems running during outages.

Lower Utility Bills

Avoid demand charges by discharging from the battery during morning and evening peaks. The ability to cycle twice daily for twenty-five years (10,000+ total cycles) unlocks massive potential for utility bill savings.

Stand Out to Tenants

Offer tenants reliable power and sustainability credentials. Premium tenants increasingly desire clean energy infrastructure.

Renewables Integration

Store excess rooftop solar for evening use to achieve higher self-consumption and accelerate sustainability goals.

EV Charging Infrastructure

Support high-power EV charging without expensive utility upgrades. Buffer charging loads to avoid demand spikes.



Na-Series: Technical Overview

Cycle Life	10,000+
Energy Efficiency	95%+ Round Trip Efficiency (RTE)
Duration	1 - 100 hour backup
Charge/Discharge	2C - C/100
Operating Range	0% to 100% SoC (no degradation at 0%)
Safety Certs	UL 9540A (pending) & UL 1973 (pending)



Accelerate Your Path to Clean Energy

Alsym Energy empowers commercial property owners to make energy a strategic asset. Our batteries are not just a backup — they are a tool to reduce operating costs, use more clean energy, and differentiate what you can offer tenants.

Visit www.alsym.com or contact our team to discuss how the Na-Series can support your next facility.

www.alsym.com