



Key Differentiators

Core Technology & Design

- Solid State Super Capacitor-Based Storage with Reduced Area Footprint
- Electrostatic vs. Electrochemical Process
- Non-Hazardous 100% Synthetic Graphene Technology
- Non-Lithium- Safe for Indoor Use
- Non-Flammable with No Thermal Runaway or Heat Signature
- Microgrid Compatible
- Internal DC to AC Conversion with Onboard Inverters

Performance & Efficiency

- 500,000+ Cell Cycles
- Four Cycles/Day at 100% Depth of Discharge
 - Ideal for Automated Peak Shaving
- Full 60 to 90 Minute Round Trip Recharge @ 99% Efficiency
- 95% Charge-Discharge Efficiency
- Up to 100% transfer of Stored Energy in Nanoseconds
- Provides Clean, Load-Leveling Power via Voltage and Frequency Regulation

Energy Density & Scalability

- 350Wh/Kg Energy Density (800Wh/Kg expected late 2025)
- Significant Reduction in Footprint over BESS
- Simultaneously Discharge and Recharge
 - ENPACK containerized system manages up to 8 inputs

Solving the Energy Equation Without Compromise

Durability & Environmental Resilience

- Maintains Full Efficiency Without Supplemental HVAC
 - Operating Range: -22°F to +140°F (-30°C to +60°C)
- Does Not Combust when in Contact with Salt or Fresh Water
- Degradation <1% – No Need to Oversize Design to Account for Degradation
- Less than 1% Energy Leakage in Static Storage Phase

Maintenance & Longevity

- Minimal Maintenance Required – Modules Rated for Lifetime
- “Hot Swappable” - Single Modules Can Be Replaced During Operation
- Warranty up to 20 years
- Zero Ramp Up, Ramp Down – Zero Required Downtime

Regulatory Compliance & Manufacturing

- Buy America Act Compliant - No Chinese Components
- Quick Manufacturing / Ship Time - Less Than 6 months
- UL Pending 810A / 9540. Approval scheduled for 4/30/25

Low Environmental and Community Impact

- Virtually No Noise – System Operates at 30-60 dBA
- 100% Recyclable - 80% Biodegradable

Reliable • Safe • Affordable

Power in Your Control

