

Sodium-ion for Energy Storage

Our chemistry (NFPP) is purpose-built for stationary storage, not borrowed from mobility. Incumbent battery chemistries were built for vehicles, where energy density and weight matter most. Stationary storage has different priorities: reliability, operating costs, long-term performance, and safety.

95% Less Aux Energy Draw

Our NFPP-based sodium-ion chemistry uses abundant materials like sodium, iron, and carbon and avoids critical minerals entirely, derisking the supply chain. It aligns with proven cell manufacturing methods and performs reliably across wide temperature ranges.

99% Guaranteed Availability with LTSA

Our systems prioritize serviceability, uptime, and predictable long-term performance. There are no moving parts in our product. No active cooling, no moving parts, and no unnecessary complexity.

80 % Lower O&M cost

The GS1 is a grid scale solution, engineered to operate with minimal degradation and low operating expenses for 30 years. By removing components that fail and using a chemistry that degrades slowly, we've built a system that operates quietly and reliably in the background. Peak's system removes active cooling, reduces cabling, and simplifies installation. It is open-air, modular, and passive by design.

Half the Degradation of LFP

Safer Product

Using the inherent stability of NFPP chemistry, the cells in GS1 have a thermal runaway temperature 60°C higher than incumbent LFP cells, and they vent less flammable H2 than the competition

Lowest OpEx

GS1's passive cooling design eliminates fans, compressors, and HVAC systems, cutting out the components that drive up operating and maintenance costs.

Drop-in Solution for LFP

GS1 is a turnkey solution that installs just like standard LFP systems while delivering superior performance. Its BMS and connections mirror common setups, making design and installation fast and straight-forward, with auxiliary power supplied internally and no additional aux cabling required.