



Blue Solutions

GEN4 Technological Update

Overview

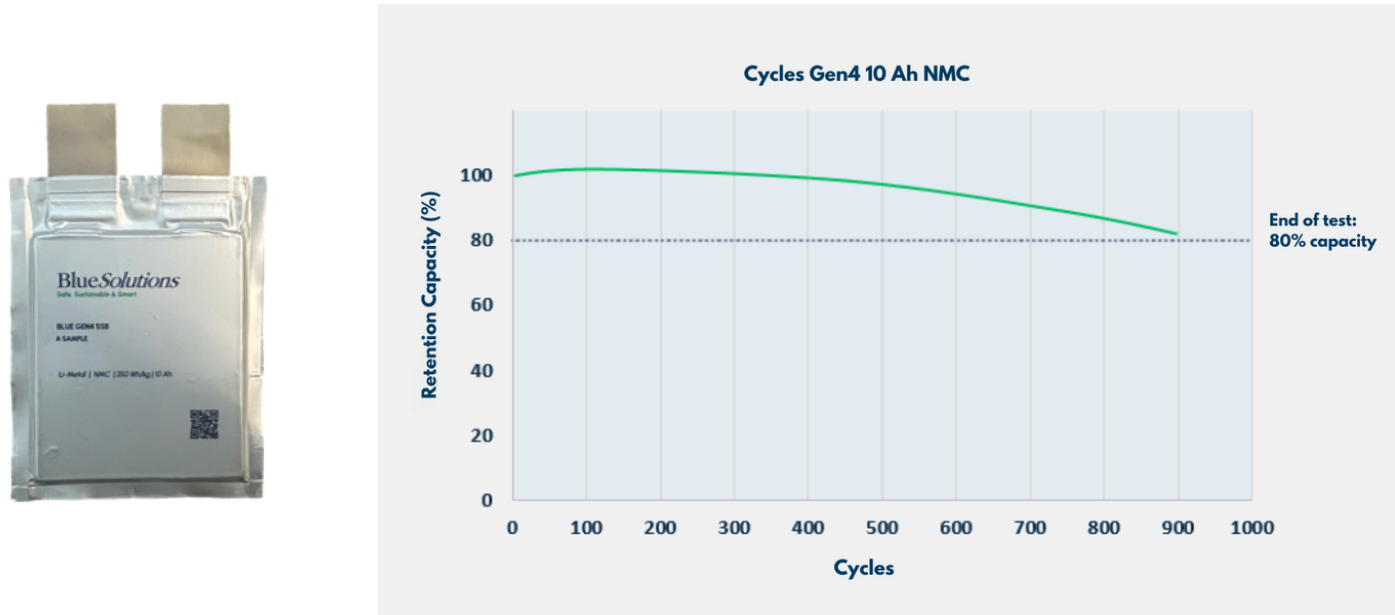
Blue Solutions' Gen4 battery development journey is progressing. We're sharing today a very stable Lithium-Metal chemistry: our 10Ah A-Sample cells are now reaching 900 cycles. This technology will allow to reach 50% higher ranges in EVs thanks to Energy Densities >400 Wh/kg.

Blue Solutions' Gen4 will operate in large temperature ranges, from cold weather to hot ones, demonstrate fast charge <15mins to recover 70% of the battery capacity, while achieving competitive manufacturing.

Performance

GEN4 10 Ah NMC Cell

Cycling data, showing capacity retention over cycles



Summary

The most exciting developments are :

GEN4 battery cells demonstrate significant advancements in cycle life and capacity retention

- **Reaching 900 Cycles**
- **Similar performance previously demonstrated on 1 Ah cells** has been independently **validated by our partner Fraunhofer ISE.**
- **High stability** of Lithium-metal and interfaces
- **Cycling conditions:** following a C/4 - D/2 protocol, tested cells are under 6 bars pressure and operating at 40°C
- **Strong potential** for high capacity applications

Learn More: [Blue Solutions - Expert of the solid-state battery](#)