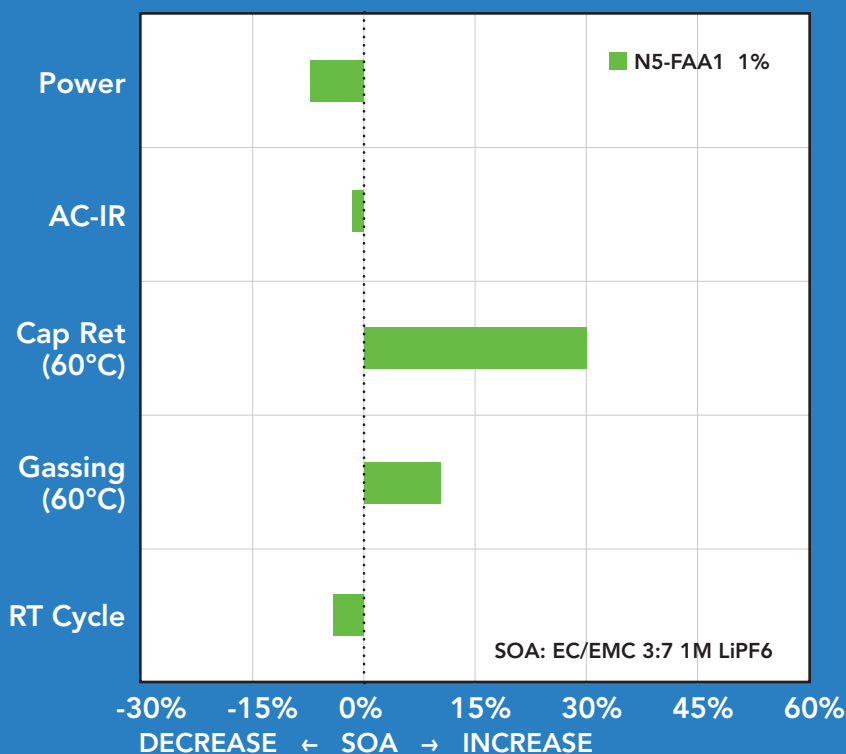


DESCRIPTION

| | |
|-----------------------|---|
| Target Cell Chemistry | NMCs, NCA/ Gr, Gr+Si |
| Additive Function | Long cycle life Low resistance |
| Target Product | Li-ion cells for E-mobility, ESS, UAVs |
| Application | Long cycle life Supplement/replacement for propane sultone |

ADDITIVE SPECIFICATIONS

| | |
|-----------------------|--|
| Additive Purity | ≥ 99.9% |
| Impurities | H ₂ O < 50 ppm, HF < 20 ppm |
| Recommended Use Range | 0.5 to 5% |
| Handling and Use | Handle in dry room or glovebox. Do not expose to moisture or air |
| SDS | Provided with product |
| Packaging/Labeling | Complies with local shipping regulations |
| Availability | Product available upon request. Lead time is 2 to 4 weeks |



TESTING PARAMETERS

Power: 10 sec. 1C pulse discharge at 50% SOC

AC-IR: 1 kHz at 50% SOC

High Temperature Storage: Four weeks at 60°C, 100% SOC. Capacity retention is the ratio of 0.3C charge before storage to 0.3C discharge after. Gassing was measured as the change in thickness at the center of the cell.

Cycle Life: 25°C, 1C/1C cycling (CV cut-off C/10)

Cell Configuration: 1.6 Ah capacity; stacked plate pouch cell, NMC811 – artificial graphite, 2.7 to 4.2V.

- Cathode loading: 28.98 mg/cm²
- Anode loading: 19.22 mg/cm²
- Estimated energy density: 451 Wh/L
- Estimated specific energy: 235 Wh/kg

Case study data examples are available upon request.

For further application information and product details, please email info@nohms.com.