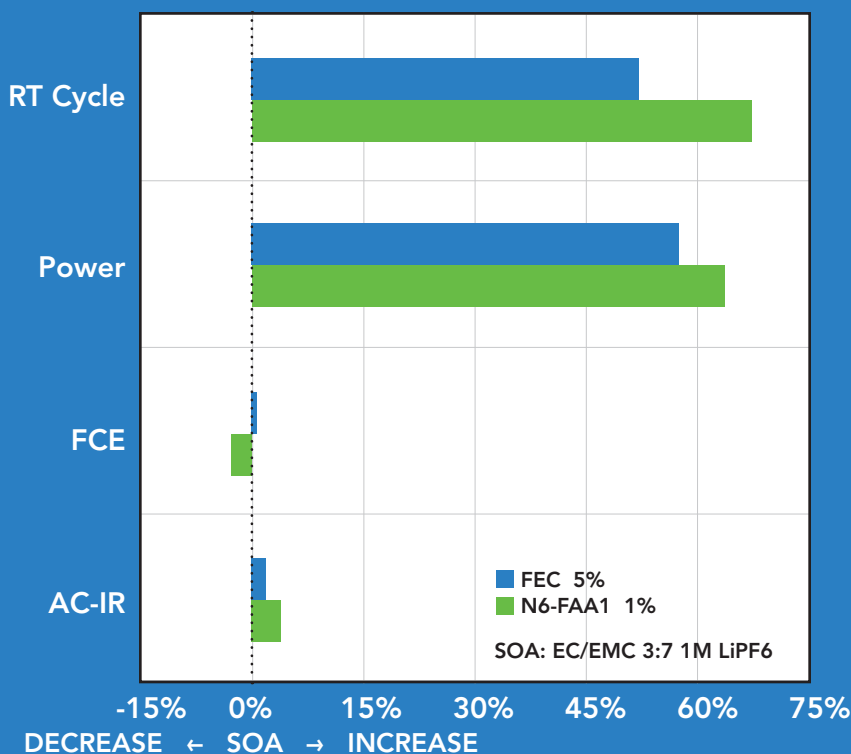


### DESCRIPTION

Target Cell Chemistry	NMCs, NCA/ 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 fluoroethylene carbonate

### ADDITIVE SPECIFICATIONS

Additive Purity	≥ 99.9%
Impurities	H <sub>2</sub> 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

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

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

**FCE:** First cycle efficiency, the ratio of the first discharge capacity over the first charge capacity

**AC-IR:** 1 kHz at 50% SOC

**Cell Configuration:** 1.6 Ah capacity; stacked plate pouch cell, NMC811 – Si (10%) + graphite, 2.7 to 4.2V.

- Cathode loading: 28.98 mg/cm<sup>2</sup>
- Anode loading: 19.22 mg/cm<sup>2</sup>
- 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](mailto:info@nohms.com).