



72Ah Lithium-Ion Rechargeable Cell

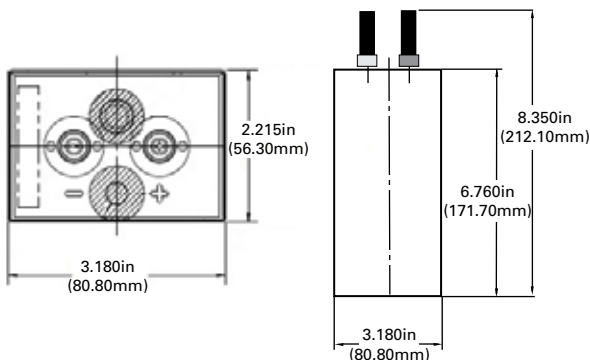
LNCAO Chemistry

Using proprietary chemistry and design, large format Lithium-ion cells by EnerSys® set a new industry standard for long cycle life performance. By controlling all aspects of the cell manufacture from raw materials to the finished product, EnerSys can also offer reliability of performance and supply chain security with a space-qualified product.

Large format prismatic cells are available individually or packaged into a battery to offer customers a high degree of customization and flexibility.

Cell Design Features

- Industry leading low fade performance
- Quallion Zero Volt™ Technology
- U.S. sourced material option available
- Supply chain security
- Qualified for space use



Nominal Mass 1,840g

Electrical Characteristics

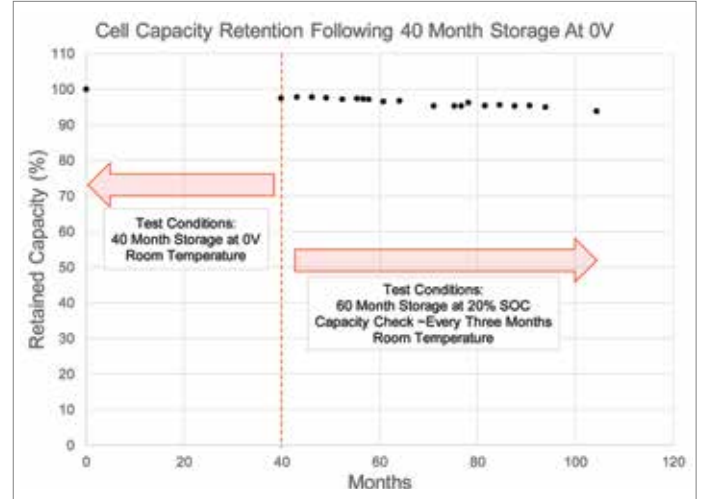
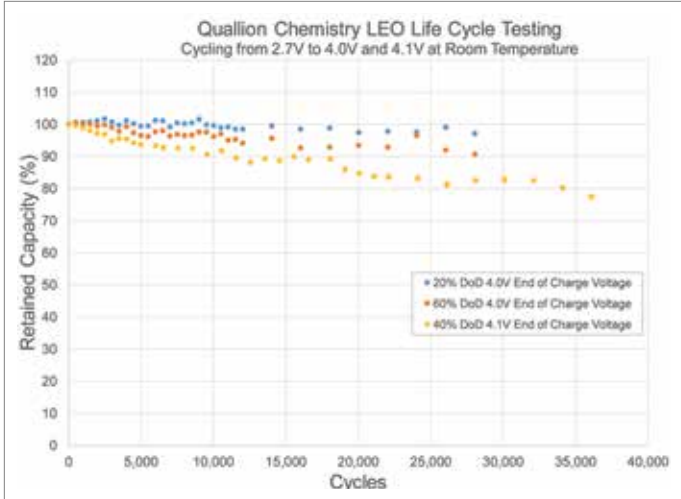
Capacity/Energy	Nameplate	75 Ah 270 Wh
	Typical	72 Ah 259 Wh
Energy Density	Gravimetric	147 Wh/kg
	Volumetric	337 Wh/L
Recommended Voltage	Maximum	4.1 V
	Nominal	3.6 V
	Minimum	2.7 V
Max Continuous Charge/Discharge		70A
Recommended Operating Temperature		10°C to 30°C

Cycle Life Performance and Modeling

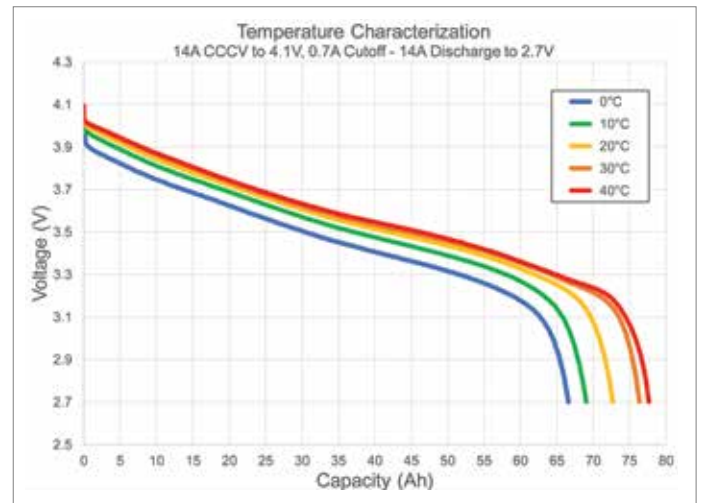
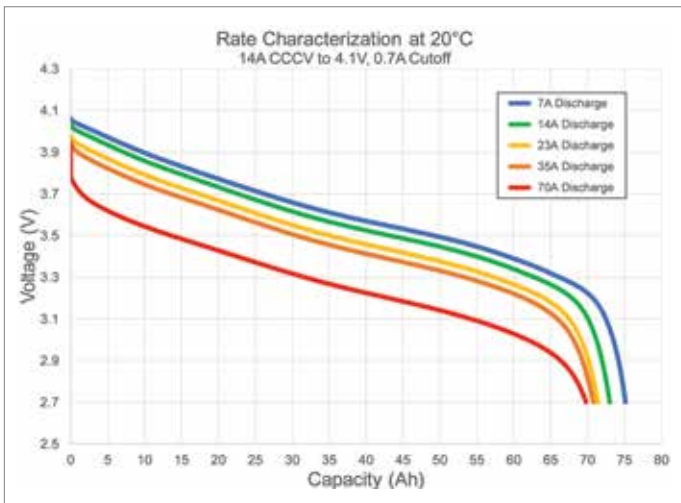
- Industry leading low fade long cycle life chemistry
- Mission specific cycling data is available upon request
- Cell data and modeling tools allow for ABSL engineers to accurately predict end of mission performance

Patented Zero Volt™ Technology

- Allows for safe handling during integration, test and storage
- Allows for recovery from dead bus scenario in orbit with negligible battery degradation



Cell Electrical Performance



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