Nanophosphate® High Power Lithium Ion Cell
AHR32113*m1Ultra-B*

KEY FEATURES AND BENEFITS

- Industry-leading cycle life and Wh throughput
- Low total cost of ownership
- Superior abuse tolerance vs. oxide chemistries
- High power density across broad SOC range

ADVANTAGES

- Field tested and fleet proven in HEV applications
- Robust, highly reliable design
- Best-in-class usable energy

Abuse Test	Test Result
Nail Penetration	Pass – EUCAR 3
Overcharge	Pass – EUCAR 2
Over-discharge	Pass – EUCAR 2
Thermal Stability	Pass – EUCAR 2
External Short	Pass – EUCAR 4
Crush	Pass – EUCAR 3

AHR32113 Cell Specifications	
Cell Dimensions (mm)	ø32 x 113
Cell Weight (g)	205
Cell Capacity (nominal/minimum, Ah)	4.5/4.3
Energy Content (nominal, Wh)	14.6
Discharge Power (nominal, W)	550
Voltage (nominal, V)	3.3
Specific Power (nominal, W/kg)	2700
Specific Energy (nominal, Wh/kg)	71
Energy Density (nominal, Wh/L)	161
Operating Temperature	-30°C to 55°C
Storage Temperature	-40°C to 60°C

APPLICATIONS


Hybrid Passenger Vehicles


Hybrid Buses


Hybrid Trucks


Off-Highway Vehicles

A123 SYSTEMS

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MD100103-04

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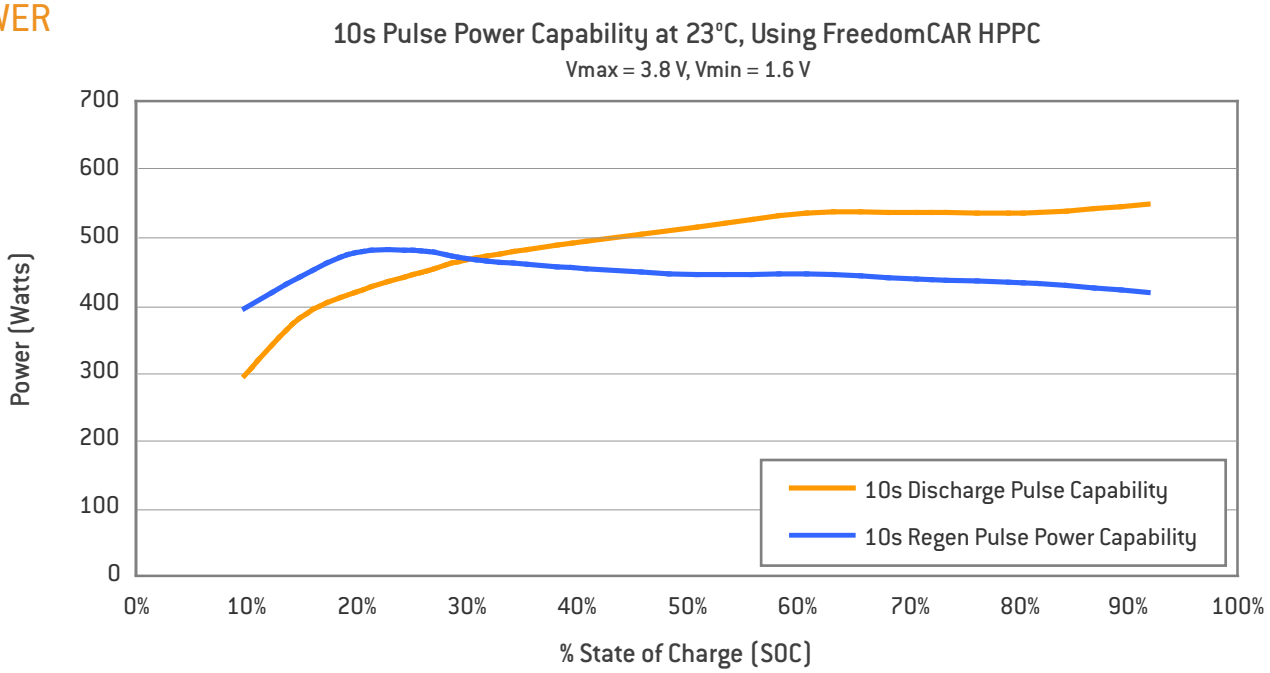
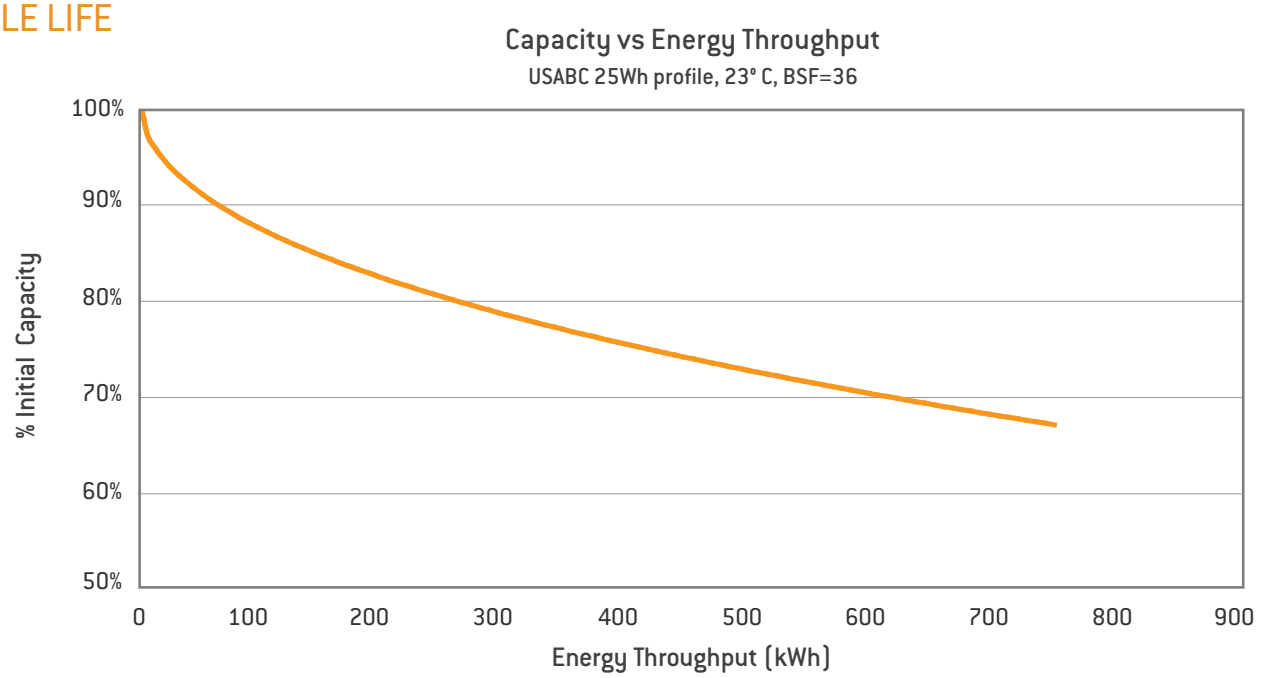
POWER



CYCLE LIFE



Performance may vary depending on use conditions and application.
A123 Systems makes no warranty explicit or implied with this datasheet. Contents subject to change without notice.

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