

# + Nanophosphate<sup>®</sup> High Power Lithium Ion Cell ANR26650*m1-B*



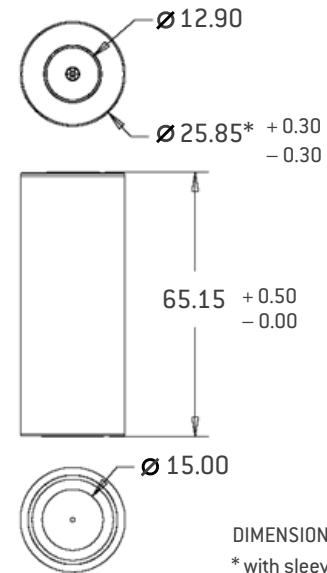
## KEY FEATURES AND BENEFITS

- + Excellent abuse tolerance and superior cycle life from A123's patented Nanophosphate<sup>®</sup> lithium ion chemistry
- + High power with over 2,600 W/kg and 5,800 W/L, 10 seconds, 50% SOC
- + High usable energy over a wide state of charge (SOC) range



### ANR26650*m1-B* Cell Specifications

Cell Dimensions (mm)	∅26 x 65
Cell Weight (g)	76
Cell Capacity (nominal/minimum, Ah)	2.5/2.4
Voltage (nominal, V)	3.3
Internal Impedance (1kHz AC typical, mΩ)	6
HPPC 10 Sec Discharge Pulse Power 50% SOC	200 W
Recommended Standard Charge Method	1C to 3.6V CCCV, 45 min
Recommended Fast Charge Method to 80% SOC	4C to 3.6V CC, 12 min
Maximum Continuous Discharge (A)	70
Maximum Pulse Discharge (10 seconds, A)	120
Cycle Life at 10C Discharge, 100% DOD	>1,000 cycles
Operating Temperature	-30°C to 55°C
Storage Temperature	-40°C to 60°C



DIMENSIONS IN MM  
\* with sleeve 25.96 +/- 0.50 mm

## APPLICATIONS

### Transportation



Advanced energy storage for electric drive vehicles

### Commercial



Enabling next-generation commercial products

### Electric Grid

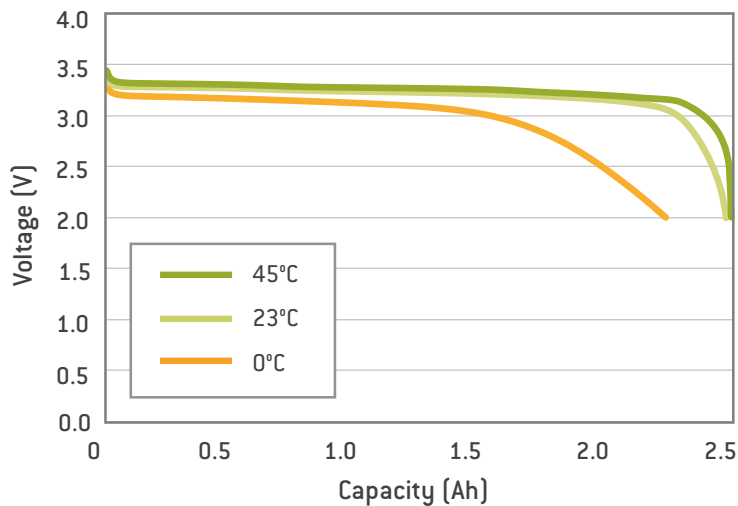


Dynamic energy solutions for a smarter grid

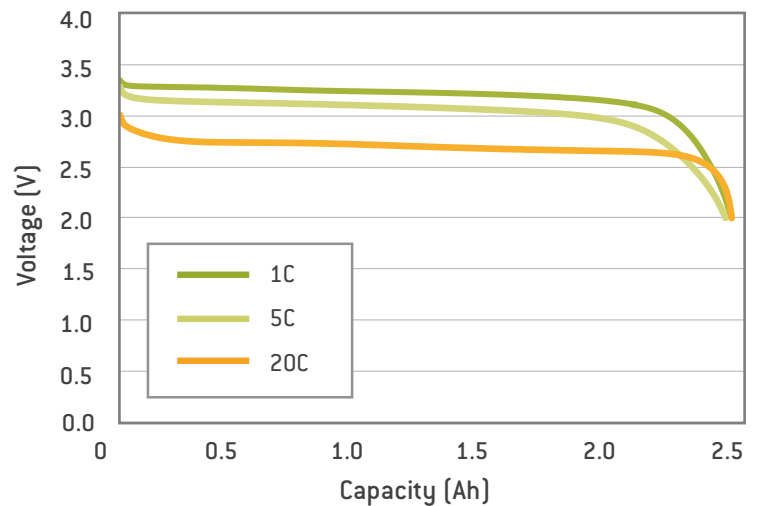
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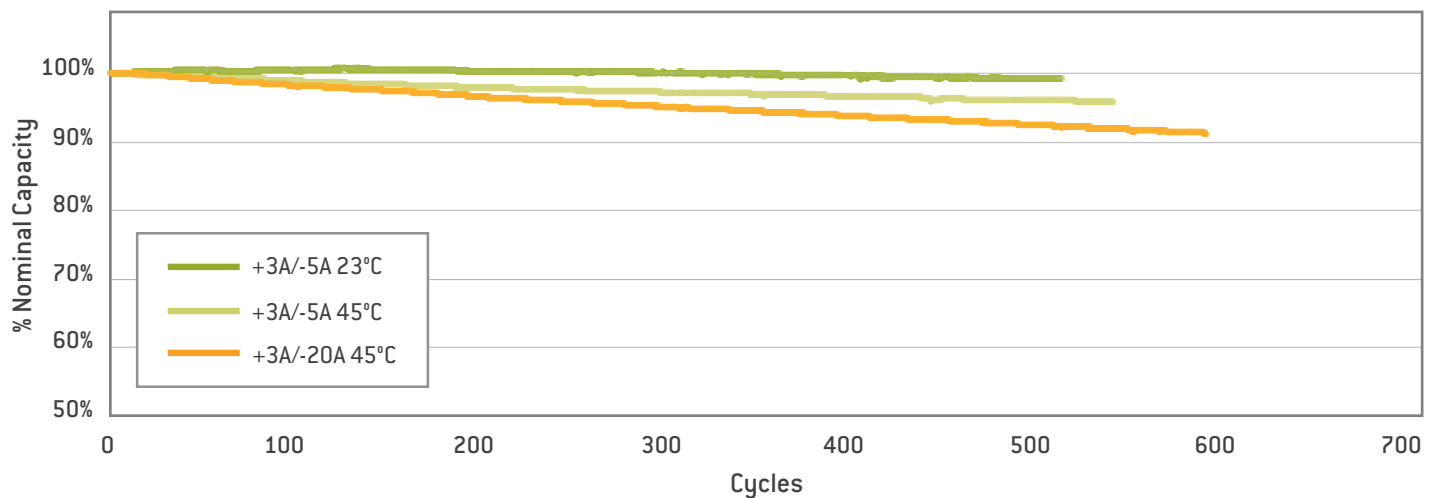
1C Discharge Characteristics at High and Low Temperatures



Discharge Characteristics at 23°C



Cycle Life Performance, 100% DOD, Various Temperatures and Discharge Rates



Preliminary Specifications. Performance may vary depending on use conditions and application.  
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### CORPORATE HEADQUARTERS

A123 Systems, Inc.  
200 West Street  
Waltham, MA 02451  
(617) 778-5700

[www.a123systems.com](http://www.a123systems.com)



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