

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



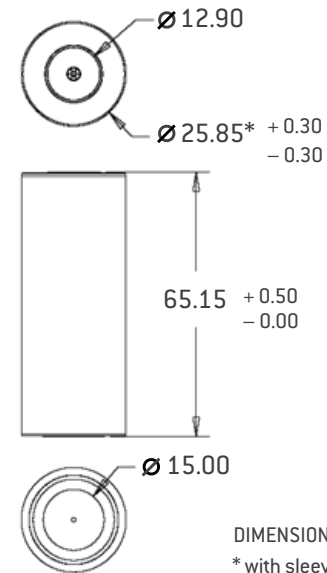
## KEY FEATURES AND BENEFITS

- + 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)	Ø26 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

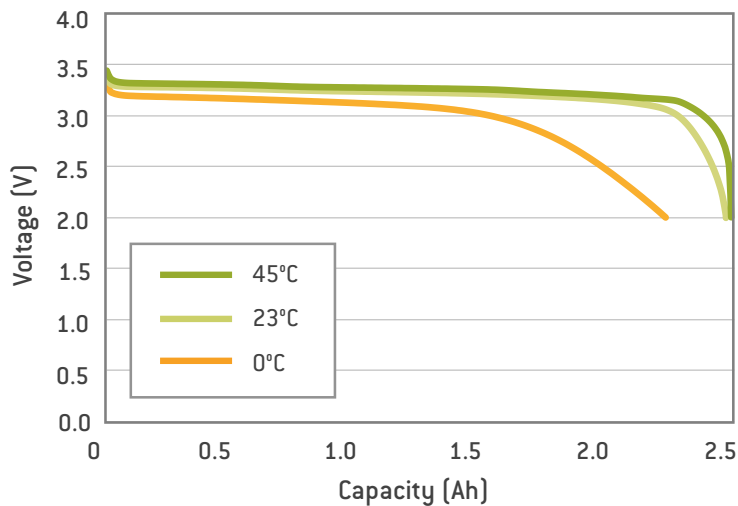


Dynamic energy solutions for a smarter grid

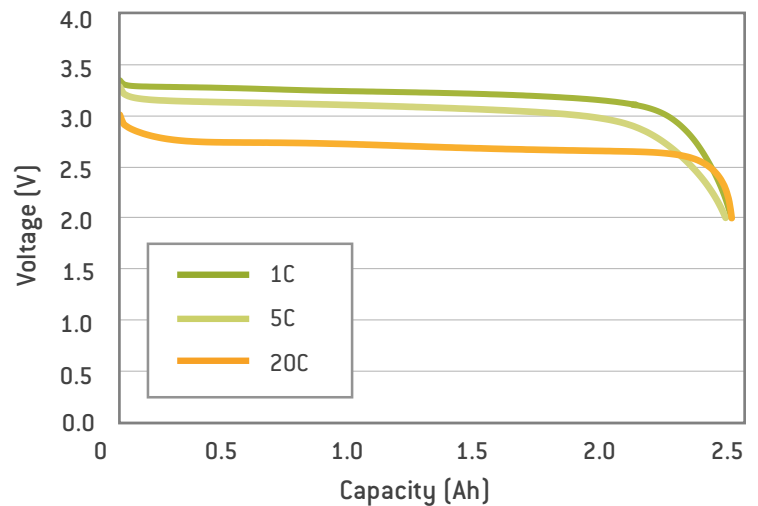
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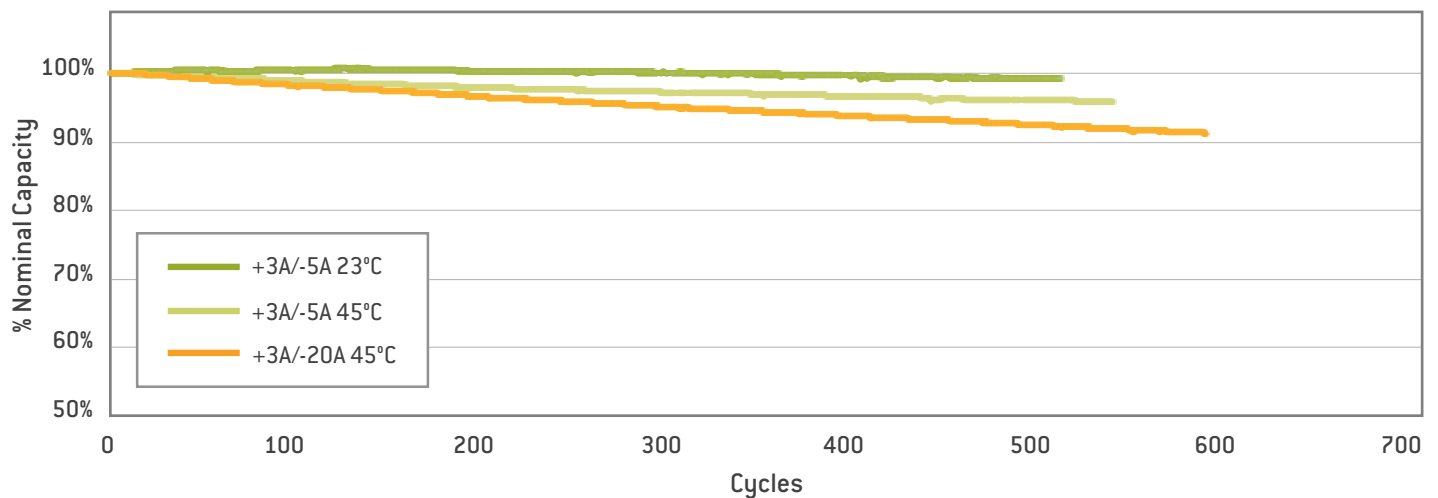
1C Discharge Characteristics at High and Low Temperatures



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.  
A123 Systems makes no warranty explicit or implied with this datasheet. Contents subject to change without notice.

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