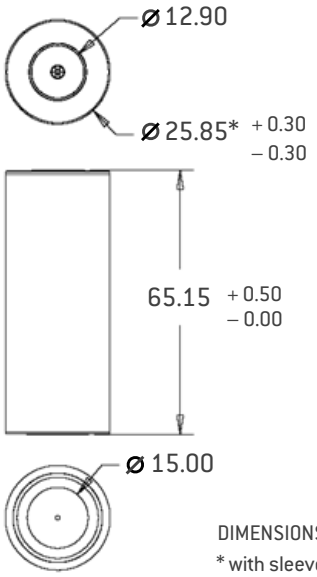
# Nanophosphate® High Power Lithium Ion Cell
# ANR26650*m1-B*

## KEY FEATURES AND BENEFITS


- Excellent abuse tolerance and superior cycle life from A123's patented Nanophosphate® 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




MD100113-01

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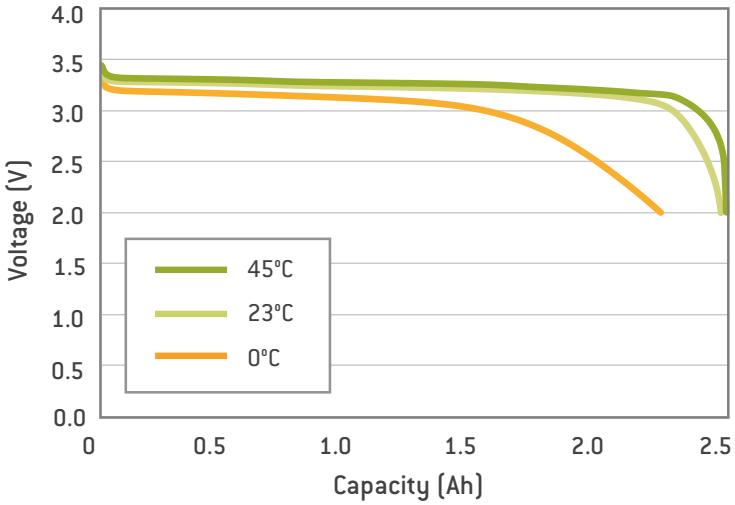
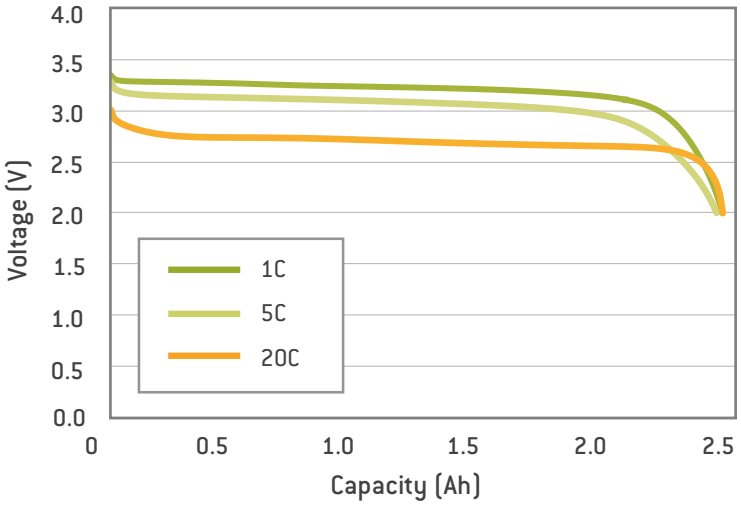
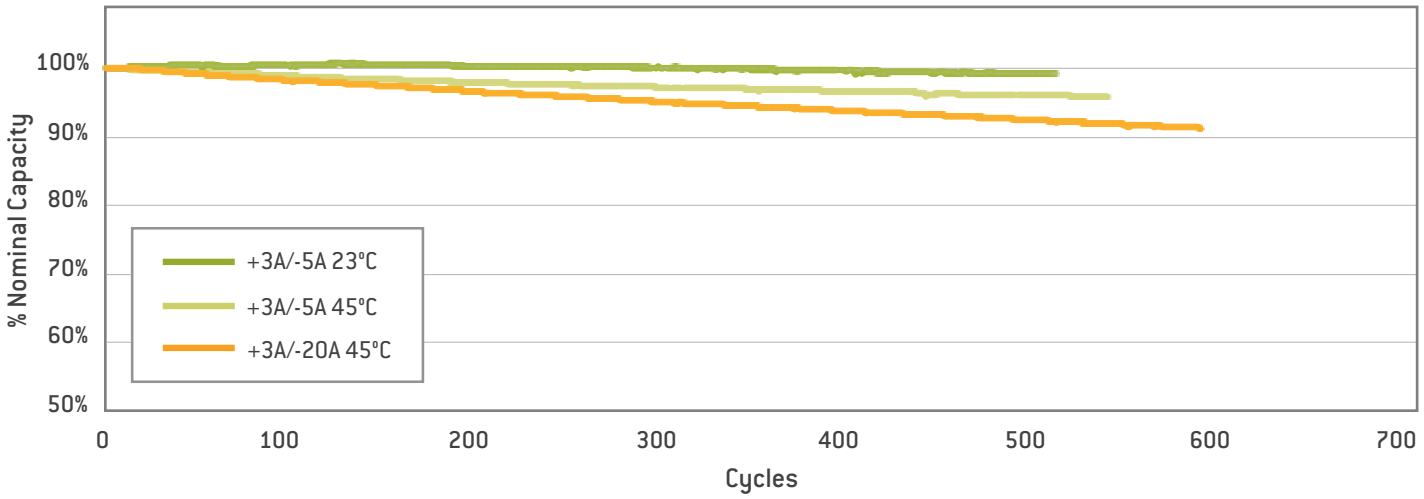
1C Discharge Characteristics at High and Low Temperatures




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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A123 SYSTEMS



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