A123 SYSTEMS

ANR26650

Nanophosphate® High Power Lithium-Ion

A123's high performance Nanophosphate® lithium iron phosphate battery technology delivers high power and high energy cells. Combine these advantages with excellent safety and outstanding life and this light weight solution exceeds power requirements. A123's 26650 cells have low capacity loss and high usable energy over a wide state of charge (SOC) allowing our products to meet end-of-life energy requirements. With concepts for virtually any lithium-ion application, A123's high performance capabilities will provide customers with customizable solutions and flexible opportunities.

Applications

- Telecommunications
- Aerospace
- Electrified mobility devices
- Energy storage
- Industrial equipment
- Medical devices

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

Product Specifications

Cell Dimensions (mm)	Ø26 x 65mm
Cell Weight (g)	76
Cell Capacity (nominal/minimum, Ah)	2.5/2.3
Internal Impedance (1KHz AC Typical)	6m'Ω
Specific Power (nominal, W/kg*)	2600 W/kg
Voltage (nominal, V)	3.3
Recommended Standard Charge	2.5V to 3.6V CCCV, 60 min
Max Continuous Discharge	50A
Max Pulse Discharge (10 Sec)	120A
Operating Temperature	-30°C to 55°C
Storage Temperature	-40°C to 60°C