High Power Lithium Ion ANR26650\textsuperscript{m1}

A123Systems lithium-ion rechargeable ANR26650M1 cell is capable of very high power, long cycle and storage life, and is inherently safe due to its use of patented nanophosphate technology.

Nominal capacity and voltage
2.3 Ah, 3.3 V

Internal impedance (1kHz AC)
8 mΩ typical

Internal resistance (10A, 1s DC)
10 mΩ typical

Recommended standard charge method
3A to 3.6V CCCV, 45 min

Recommended fast charge current
10A to 3.6V CCCV, 15 min

Max continuous discharge
70A

Pulse discharge at 10 sec
120A

Cycle life at 10C discharge, 100%DOD
Over 1,000 cycles

Recommended charge and cut-off V at 25°C
3.6V to 2V

Recommended charge and cut-off V below 0°C
4.2V to 0.5V

Operating temperature range
-30°C to +60°C

Storage temperature range
-50°C to +60°C

Core cell weight
70 grams

Low temperature discharge performance

Discharge characteristics, 25 deg C

Cycle life performance, 100% DOD, various temperatures