A123Systems’ lithium ion rechargeable APR18650mA cell is capable of very high power, long cycle and storage life, and has superior abuse tolerance due to the use of patented Nanophosphate™ technology.

Nominal capacity and voltage: 1.1Ah, 3.3 V
Recommended standard charge method: 1.5A to 3.6V CCCV, 45 min
Recommended fast charge current: 4A to 3.6V CCCV, 15 min
Maximum continuous discharge: 30A
Cycle life at 5C discharge, 100% DOD: Over 1,000 cycles
Recommended charge and cut-off V at 25°C: 3.6V to 2V
Operating temperature range: -30°C to +60°C
Storage temperature range: -50°C to +60°C
Core cell weight: 39 grams

Discharge Characteristics, Room Temperature

Projected Cycle Life, 100% DOD, 1C/1C, Room Temperature