High Power Lithium Ion APR18650™

A123Systems’ lithium ion rechargeable APR18650™ 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](image)

![Projected Cycle Life, 100% DOD, 1C/1C, Room Temperature](image)