**Circuit Diagram**

**Electrical Specification**
- **Rated Capacity**: 1000mAh min, 1020mAh typ.
- **Nominal Voltage**: 3.7V
- **Wat-Hour Rating**: 3.7Wh
- **Max. Operating Voltage Range**: 2.75V to 4.20V
- **Max. Charge Voltage**: 4.2V ±50mV
- **Max. Charge Current**: 500mA
- **Max. Continuous Discharge Current**: 1000mA
- **Discharge Cut Off**: <200mΩ
- **Internal Impedance**: 2.75V
- **Expected Cycle Life**: @ (0.5C/0.5C) @ 23±5°C

**Cell Protection**
- **Overcharge Detection**: 4.275 ±50mV (0.7 to 1.3sec. delay, release 4.275V ±50mV)
- **Overdischarge Detection**: 2.75V ±50mV (14 to 26msec. delay, resume 2.50V ±50mV)
- **Overcurrent Detection**: 4A to 4.5A (8 to 16msec. delay)

**Ambient Conditions**
- **Charge Temp. Range**: 0 to +45°C
- **Discharge Temp. Range**: -20 to +65°C
- **Storage Temp. Range**: 1 year at -20 to +30°C, >70%
- **Humidity**: 3 months at -20 to +45°C, >70%
- **1 month at -20 to +60°C, >70%**
- **65 ±20%RH

**Environmental and Safety**
- Please follow LiPol Handling and Safety Precautions for Lithium Polymer Battery.
- This battery meets the requirements of Battery Directives, and the battery parts are IEC 62133 & RoHS-Compliant. For more safety precautions and performance standards, please go to www.lipolbattery.com/support.html