

### 2000mAh Polymer Lithium Ion Battery 4.2V Graphite Anode Technology

#### Features:

- High Energy Density
- Low Cost
- 3.7V Nominal Working Voltage
- Low Weight - 0.65oz (18.5g)
- Excellent Temperature Performance



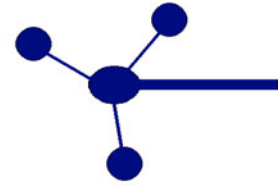
This 4.2V Graphite Anode battery technology is trademarked as POLION LIP. This new evolution of lithium technology is made thinner by packing with aluminum laminate. This allows cells thinner than 1mm and conformable to custom packages. This advanced technology excels over ordinary polymer lithium ion batteries in energy density, high-rate discharge and low temperature performance. The cells are safety approved from CE and UL.

These batteries can do continuous discharge at 2C and still maintain the stated capacity (2000mAh). Much higher discharge rates can be obtained for small amounts of time. Here the limiting factor is the cell heating which can cause reduced battery capacity and reduced cell lifetime. Proper design ventilation of the battery enclosure will help this situation.

**The value and performance of these batteries is beyond the competition.**

**Extended usage instructions and precautions can be found at:**

[www.advantagecircuits.com/ProductDatasheet/BatterySafety.pdf](http://www.advantagecircuits.com/ProductDatasheet/BatterySafety.pdf)



## Technical Specifications:

Capacity	2000mAH
Standard Discharge Rate	2C
High rate discharge	3C
Dimensions	4.0mm x 55mm x 85mm
Termination	Wire Terminated
Internal Resistance	<30mOhm (1000mAh)
Self-Discharge	<8% (first month)
Operating temperature	-25°C~+60°C
Performance at -25°C	>80% (of the capacity at 20°C)
Charge Current	2000mA
Battery Weight	39g (1.37oz)



Model: ED425585-2C

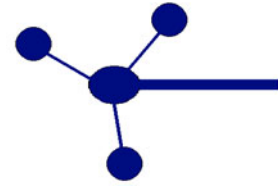
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## **Safety and Handling Instructions:**

Read and observe the following warnings and precautions to ensure correct and safe use of these polymer-lithium-ion batteries. Additional instructions and guidelines can be found at:

[www.advantagecircuits.com/ProductDatasheet/BatterySafety.pdf](http://www.advantagecircuits.com/ProductDatasheet/BatterySafety.pdf)

### **Danger!**

Failure to observe the following precautions may result in battery leakage, overheating, explosion and / or fire.

- Do not immerse the battery in water or allow it to get wet.
- Do not use or store the battery near sources of heat such as a fire or heater.
- Do not use any chargers other than those specifically designed for these polymer-lithium-ion batteries of this capacity and charge rate.
- Do not reverse the positive(+) and negative(-) terminals.
- Do not connect the battery directly to wall outlets or car cigarette-lighter sockets.
- Do not put the battery into a fire or apply direct heat to it.
- Do not short-circuit the battery by connecting wires or other metal objects to the positive(+) and negative(-) terminals.
- Do not carry or put the battery together with necklaces, hairpins or other metal objects.
- Do not strike, throw or subject the battery to sever physical shock.
- Do not pierce the battery casing or break it open.
- Do not attempt to disassemble or modify the battery in any way.
- Do not recharge the battery near a fire or in extremely hot conditions.
- Do not place the battery in a microwave oven or pressurized container.
- Do not use the battery in combination with primary batteries (such as dry-cell batteries) or batteries of different capacity, type or brand.
- Do not use the battery if it gives off an odor, generates heat, becomes discolored or deformed, or appears abnormal in any way. If the battery is in use or being recharged, remove it from the device or charger immediately and discontinue use.
- Keep the batteries out of the reach of children. If a child somehow swallows a battery, seek medical attention immediately.
- If the battery leaks or emits an odor, immediately remove it from the proximity of any exposed flame.
- If the battery leaks and electrolyte gets in your eyes, do not rub them. Instead, rinse them with clean running water and immediately seek medical attention. If left as is, electrolyte can cause eye injury.

**Extended usage instructions and precautions can be found at:**

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