



5Ah High Power Cell



**Very high power density,
low temperature
performance, lithium-
ion cell for demanding
applications**

Lithiated Nickel Cobalt Aluminum Oxide

Features and Benefits

- Very high power density (>30kW/kg, >90 kW/l)
- High rate capabilities
 - 400C 1 second pulse
 - 100C continuous
- Low temperature operation, -40°C (-40°F) or below
- Efficient thermal dissipation
- True prismatic design
- Stainless steel case
- Safety vent feature

Applications

- Directed energy weapons
- More electric aircraft
- High power electro-mechanical actuators

Specifications

Part Number	LP34100
Nominal Cell Weight	275 g (0.61 lbs)
Dimensions	See details on back
Voltage Range	3.0 to 4.1 V (2.0 V min. for pulse)
Nominal Voltage	3.6 V
Nominal Capacity	5Ah
Energy Density	165 Wh/L
Specific Energy	70 Wh/kg
Discharge Rates (with proper thermal management)	Constant current: 500A
	Pulse current (<1 second): 2000A
Nominal Cell Impedance	1mΩ at 20°C
Standard Charging Method	Constant current 2.5A (0.50°C) to 4.1V
	Constant voltage 4.1V to 0.25A (C/50)
Operating Temperature	-40 to 75°C (-40 to 167°F)

5Ah High Power Cell

