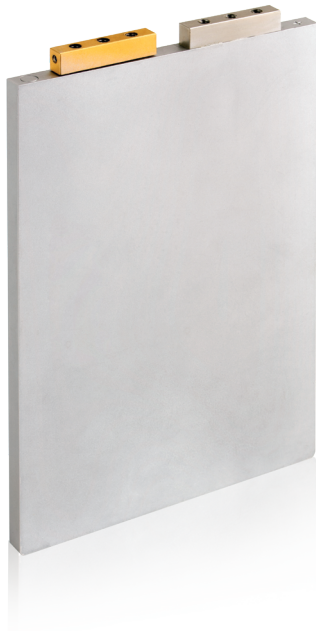




17 Ah Ultra-High Rate Lithium-Ion Cell



Rechargeable Lithium-Ion Cell

**Ultra-high power,
long- cycle life
lithium-ion cell for
demanding
applications**

Features and Benefits

- Thin, prismatic cell
- Effective heat management
- Unique high power cell terminal
- Enhanced safety features
- Extreme rate performance
- Efficient packing

Applications

- Directed energy weapons
- Engine start
- Propulsion

Specifications

Part Number		LiBG18EV-1
Nominal Cell Weight		810 g (1.8 lbs)
Dimensions		See details on back
Nominal Voltage		4.1 V
Voltage Range		2.5 to 4.1 V
Nominal Capacity		17 Ah at C/5 at 20°C (68°F)
Nominal Cell Impedance		375μΩ at 20°C (68°F)
Cycle Life to 80% Capacity*		>2000 at 100% DOD
Energy Density		210 Wh/L
Specific Energy		80 Wh/kg
Standard Charging Method	Constant Current	27.5 A (1.5C) to 4.1 V
	Constant Voltage	4.1 V to 1.1 A (C/75)
Discharge Rates	Maximum Continuous Current	2000 A
	Maximum Pulse Current (<1 sec)	>2000 A
Specific Power	Continuous	>8 kW/kg
	Pulse	>10 kW/kg
Operating Temperature		-20 to 60°C (-4 to 140°F)
Storage Temperature		-40°C to 60°C (-40 to 104°F)

*Measured at 0.5C discharge current at 20°C (68°F)

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