EAGLEPICHER TECHNOLOGIES

Concept Design

2.3 Ah Lithium-Ion Pouch Cell

Next Generation Silicon-Carbon Cell

High energy lithium-ion cell for demanding applications

Specifications

Part Number		SLC-202
Weight		~33 g (0.07 lb)
Dimensions		50 x 56 x 7 mm (2.0 x 2.2 x 0.3 in.)
Maximum Continuous Current		3C rate
Maximum Pulse Current		5C rate
Nominal Voltage		3.55 V
Voltage Range		4.2 to 2.5 V
Standard Charging Method	Constant Current	0.5 A to 4.2 V
	Constant Voltage	4.2 V to 0.1 A
Nominal Capacity @ C/5, 25°C (77°F)		>2.3 Ah
Nominal Specific Energy @ C/5, 25°C (77°F)		~250 Wh/kg
Cycle Life		>300 cycles to 80% retention
Anode		SiC composite
Cathode		High Ni transition metal oxide
Electrolyte		Organic carbonates with additives
Separator		Shutdown
Cell Type		Prismatic
Cell Packaging		Polymer laminated Al film

Features and Benefits

- Safe, lightweight pouch format
- High specific energy
- Medium power
- Prismatic design
- Wide operational temperature range from -20 to 55°C (-4 to 131°F)

Applications

- Unmanned aerial vehicle (UAV)
- Portable power
- Aerospace

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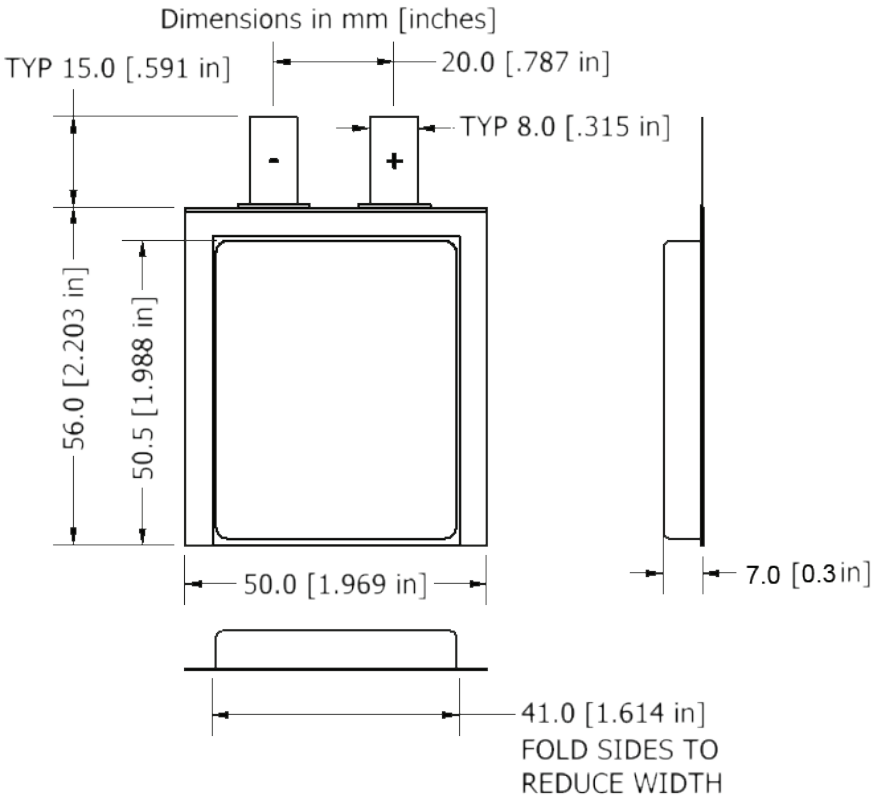

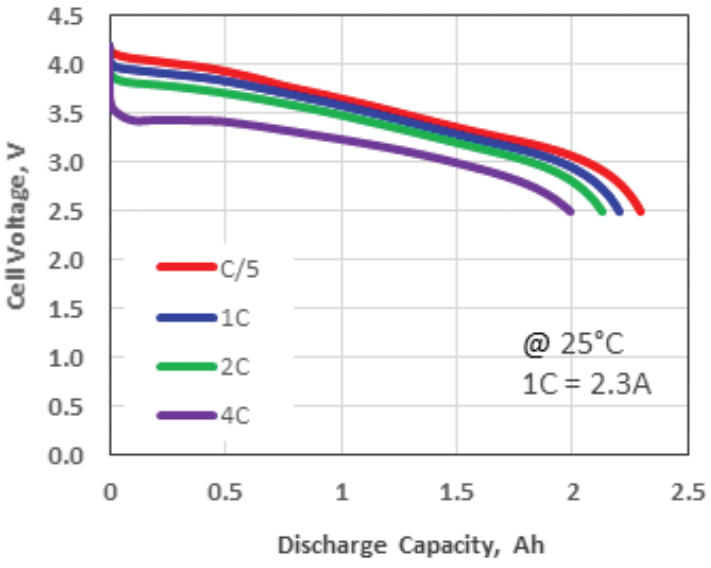

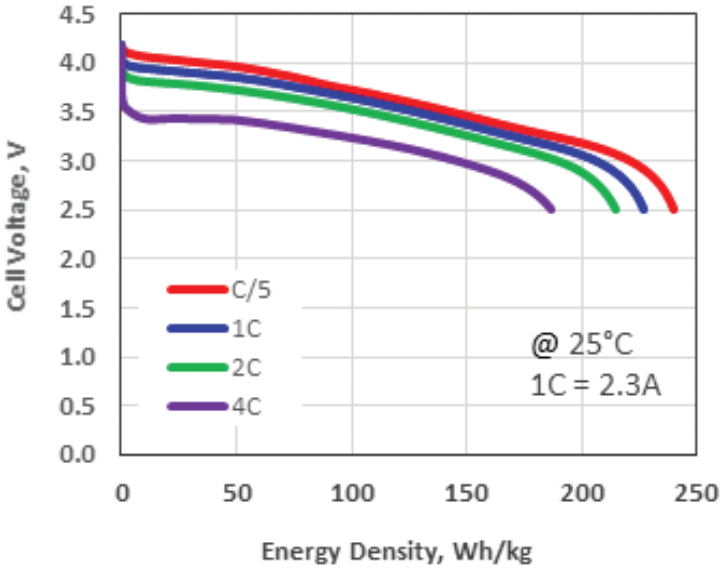

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