EAGLEPICHER TECHNOLOGIES

Concept Design

13 Ah Lithium-Ion Pouch Cell

Next Generation Silicon-Carbon Cell

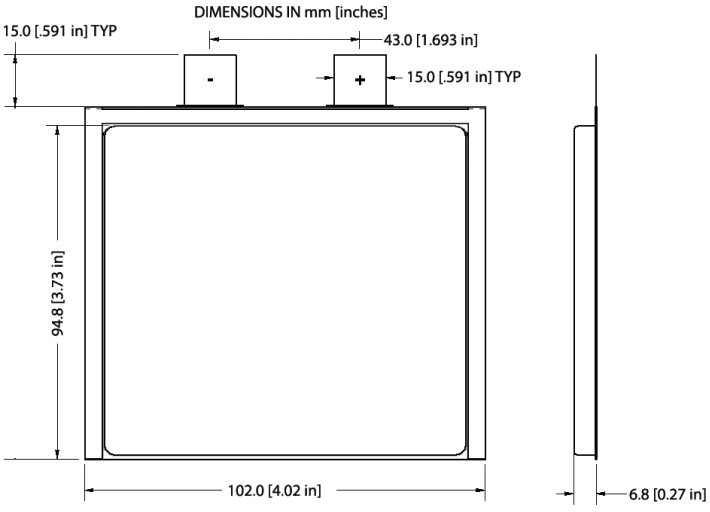
High-energy and high-power lithium-ion cell for demanding applications

Specifications

Part Number		SLC-203
Weight		~156 g (0.34 lb)
Dimensions		94.8 x 102.0 x 6.8 mm (3.7 x 4.0 x 0.3 in.)
Maximum Continuous Current		4C rate
Maximum Pulse Current		8C rate
Nominal Voltage		3.55 V
Voltage Range		4.2 to 2.5 V
Standard Charging Method	Constant Current	4 A to 4.2 V
	Constant Voltage	4.2 V to 0.5 A
Nominal Capacity @ C/10, 25°C (77°F)		>13 Ah
Nominal Specific Energy @ C/10, 25°C (77°F)		>300 Wh/kg
Specific Energy at 1C		>280 Wh/kg
Impedance		<2.5 mΩ
Cycle Life		>500 cycles with 80% retention
Anode		SiO-C 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
- Prismatic design
- Wide operational temperature range from -20 to 55°C (-4 to 131°F)
- Performance verified by third party testing



Applications

- Unmanned aerial vehicle (UAV)
- Electric vertical take-off and landing (eVTOL), urban air mobility, air taxi
- Portable power
- Aerospace

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417.623.8000 | inquiry.technologies@eaglepicher.com | www.eaglepicher.com

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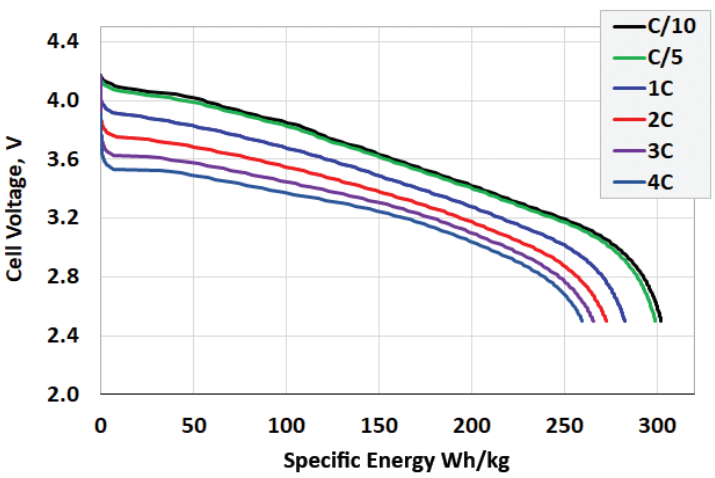

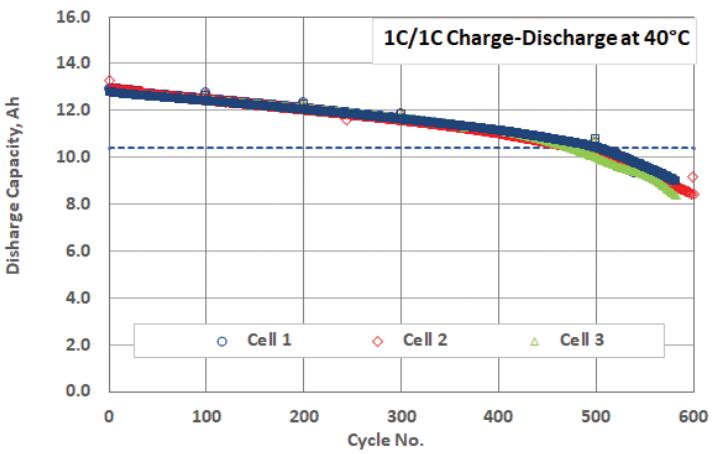

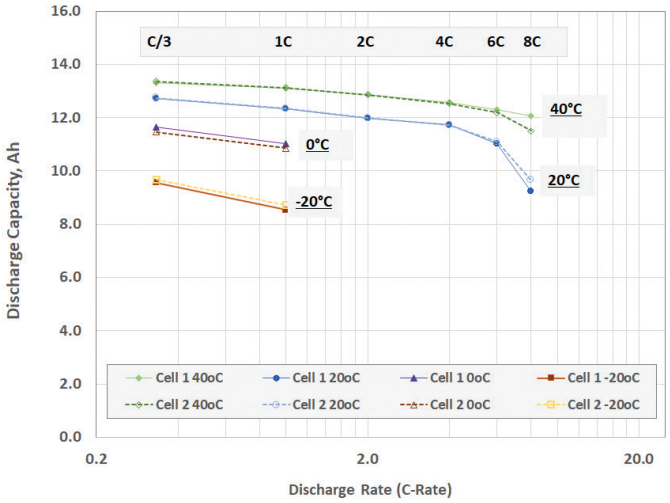

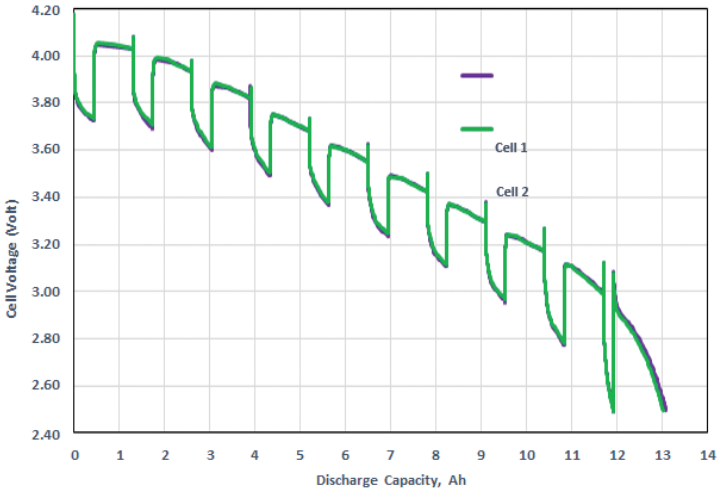

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