

2.3 Ah Lithium-Ion Pouch Cell



Next Generation Silicon-Carbon Cell

High energy lithium-ion cell for demanding applications

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)

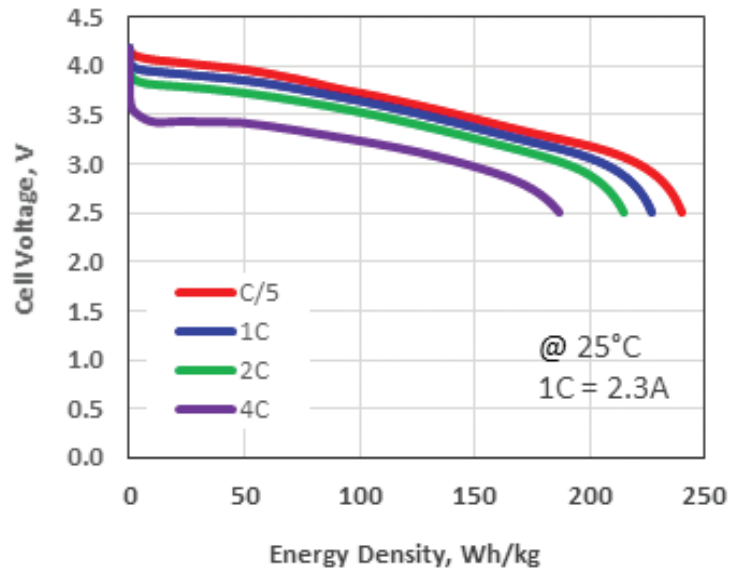
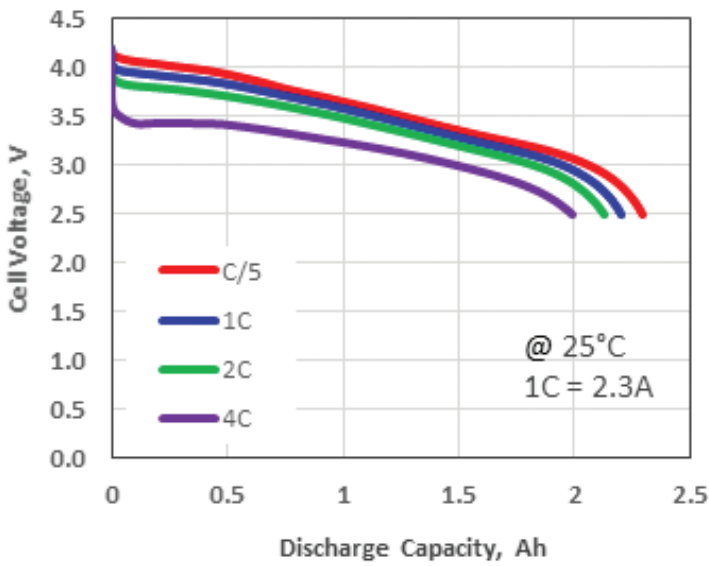
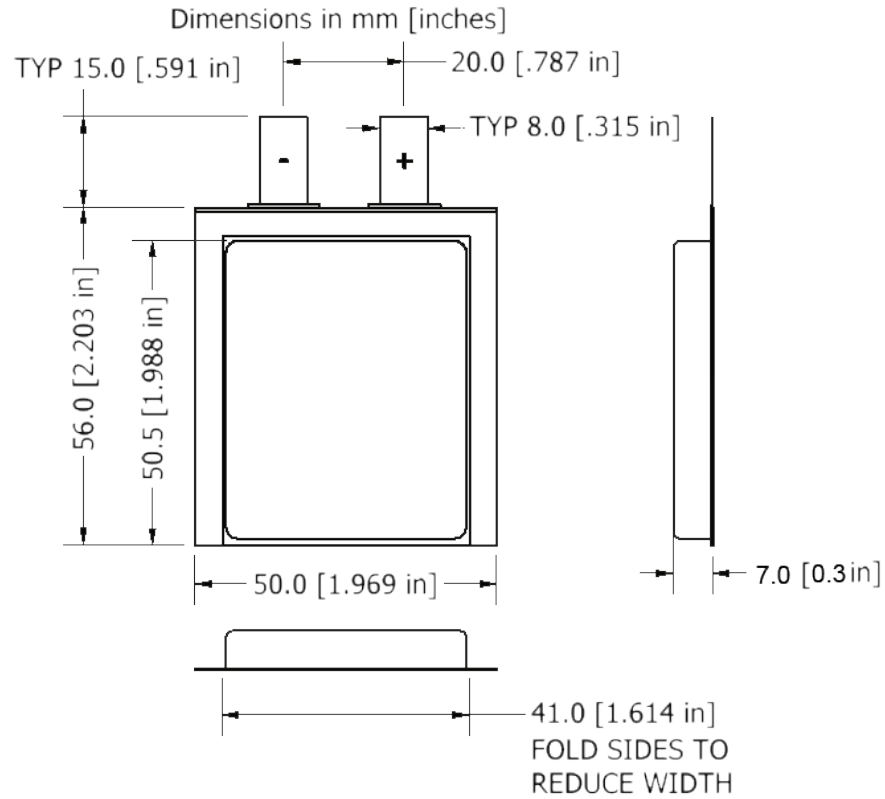
Applications

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

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 ¹	
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	

Concept Design - Product Under Development

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