

13 Ah Lithium-Ion Pouch Cell



Next Generation Silicon-Carbon Cell

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)

Applications

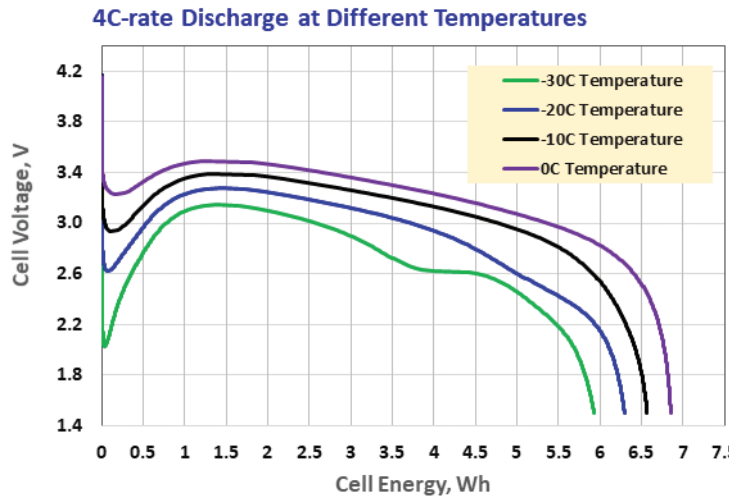
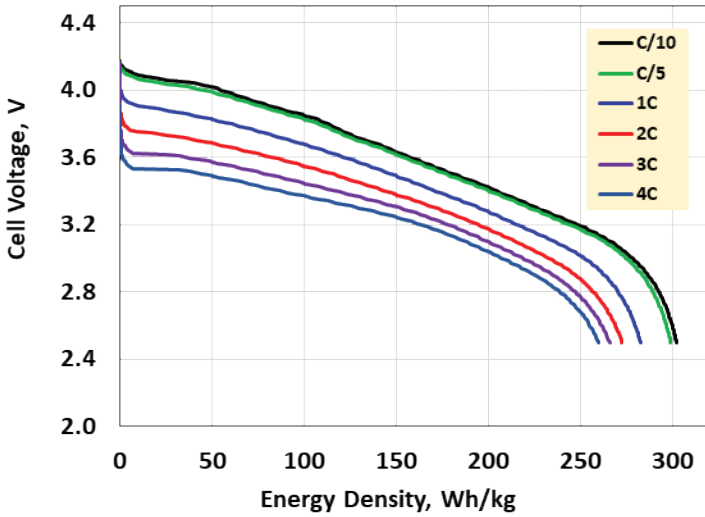
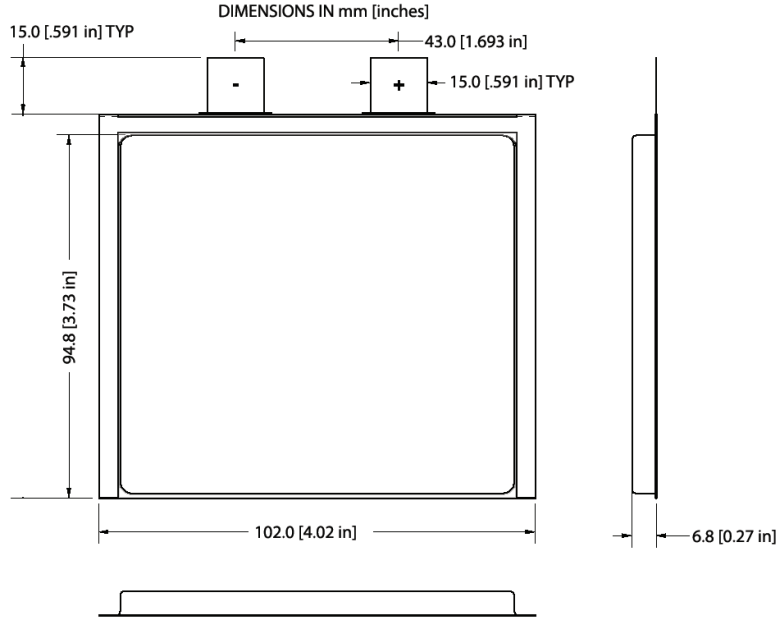
- Unmanned aerial vehicle (UAV)
- Electric vertical take-off and landing (eVTOL), urban air mobility, air taxi
- Portable power
- Aerospace

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	
Cycle Life	>400 cycles with 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

13 Ah Lithium-Ion Pouch Cell



Concept Design - Product Under Development