

10Ah Lithium-Ion Pouch Cell



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

Next Generation Silicon Carbon Cell

Features and Benefits

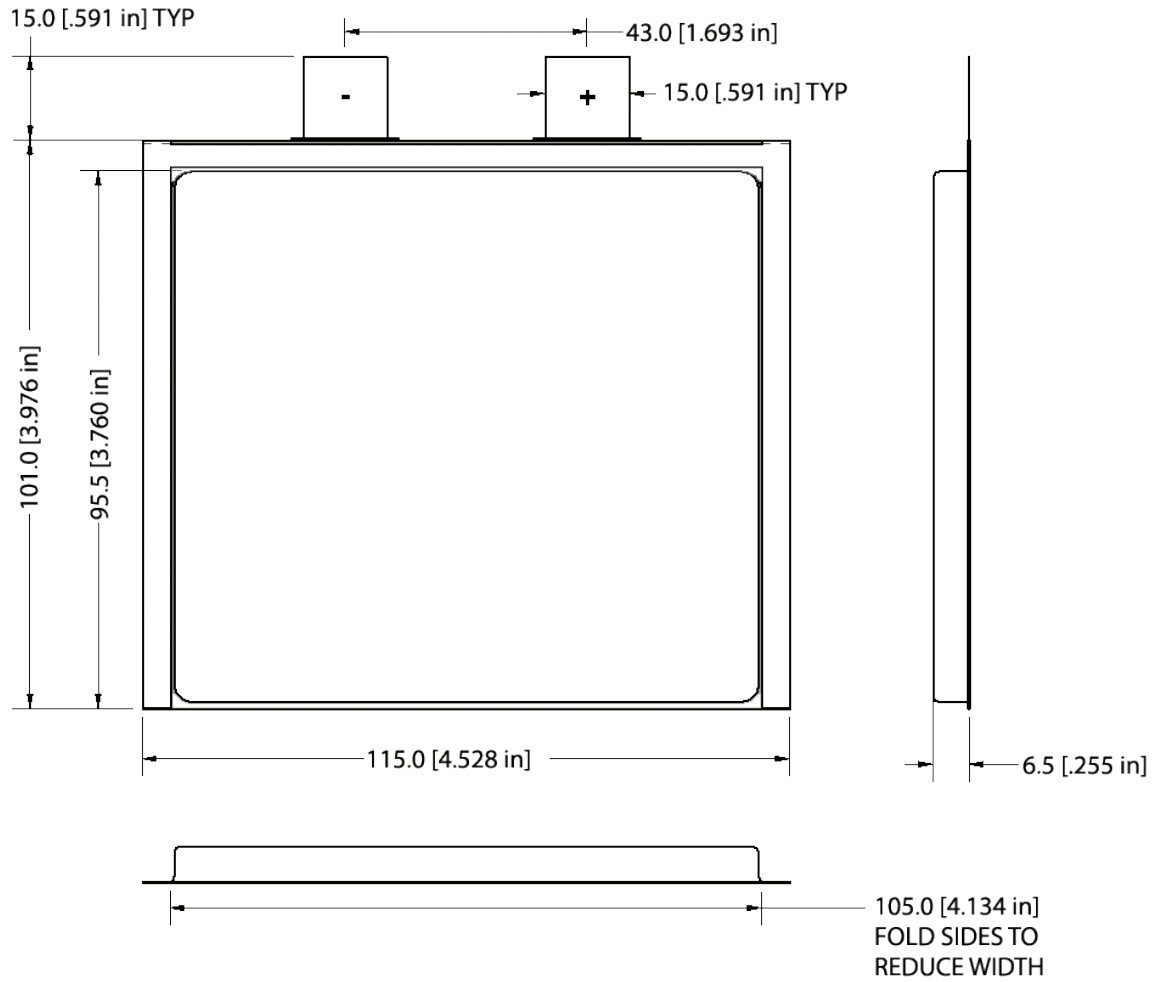
- Next generation silicon-carbon anode
- Sensors and beacons
- Data storage
- Black box recorders
- Next generation silicon-carbon anode
- Safe, lightweight pouch format
- High specific energy
- Delivers over 250 Wh/kg
- Prismatic design
- Wide operational temperature range from -20 to 55°C (-4 to 131°F)

Applications

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

Specifications		
Part Number	SLC-203	
Weight	130 g	
Dimensions	115.0 x 101.0 x 6.5 mm (4.5 x 4.0 x 0.2 in.)	
Maximum Continuous Current	3C rate	
Maximum Pulse Current	5C rate	
Nominal Voltage	3.7V	
Voltage Range	4.3 to 2.5V	
Standard Charging Method	Constant Current	3A to 4.3V
	Constant Voltage	4.3V to 0.5A
Nominal Capacity @ C/10	>10Ah	
Nominal Specific Energy @ C/10	>300 Wh/kg ⁻¹	
Specific Energy at 1C	>250 Wh/kg ⁻¹	
Cycle Life	>200 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	

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Product Under Development