SOLID MASTER

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3.6V/20Ah Solid-state Battery Pouch Cell
Model: SMBC_3.6V20Ah

This 3.6V/20Ah solid state battery pouch cell offers up to 7C discharge rate, perfect for providing power to compact, high-powered devices. Its advanced solid-state design ensures superior safety compared to standard lithium-ion batteries, while its high energy density allows for optimal performance, light weight and space-saving capabilities.



Battery Type	Solid State Lithium-ion
Battery Case	Aluminum Polymer Pouch
Nominal Voltage	3.6V
Capacity	20Ah
Energy Stored	72Wh
Energy Density	~310Wh/kg
Weight	0.51 lbs. (233g ± 5g)
Dimensions (L x W x H)	7" x 3" x 0.37" (± 0.02")/174mm x 75 mm x 9.4mm
Discharge / Charge Connector	Tab
Operating Voltage	2.6V - 4.2V
Standard Discharge	1C
Max Constant Discharge	5C
Peak Discharge	7C (30 seconds)
Standard Charging	0.5C @ 10A
Rapid/Max Charging	1.0C @ 20A
Cycle Life	~150 @ 7C discharge ~500 @ 5C discharge ~1000 @ 0.5C discharge
Operating Temperatures	-20°C to 55°C
Storage Humidity	60±25%R.H