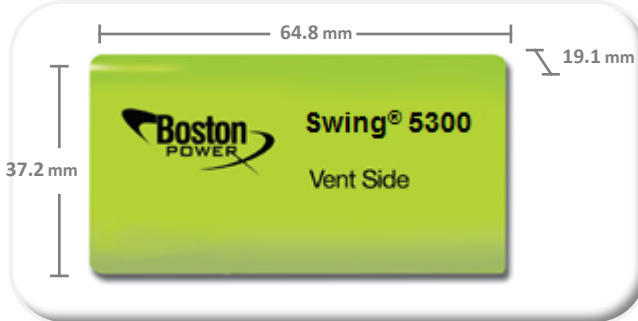




Swing® 5300 Rechargeable Lithium-ion Cell

Boston-Power's Swing 5300 offers the highest usable energy density combined with a longer cycle life at broad operating temperatures and unmatched safety features. It is ideal for a wide range of applications including Battery Electric Vehicles (BEVs), Plug-in Hybrid Electric Vehicles (PHEV), Light Commercial Vehicles (LCV), Neighborhood Electric Vehicles (NEV), and Energy Storage Solutions (ESS).

Specifications



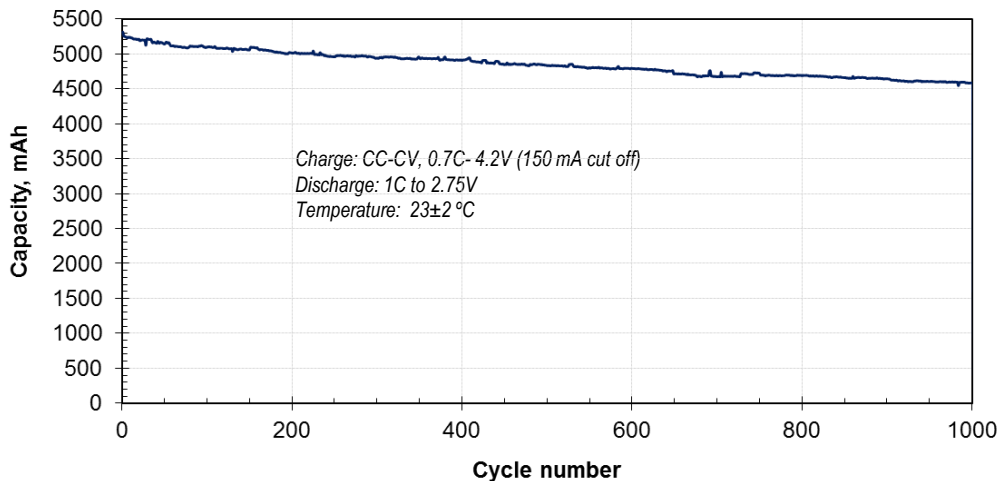
Nominal capacity ¹	5300 mAh	
Nominal energy ¹	19.3 Wh	
Nominal voltage	3.65 V	
Energy density	Gravimetric	207 Wh/kg
	Volumetric	490 Wh/L
Nominal cell impedance	16 mΩ	
Cycle life (1C discharge at 23°C)	100% DOD	>1000 cycles
	90% DOD	>2000 cycles
	80% DOD	>3000 cycles
Max continuous discharge rate (0 -100% SOC)	13 A	
Allowable 10s pulse capability ²	1000 W/kg	
Standard charging method	Constant current (CC)	3.7A (0.7C) to 4.2V
	Constant voltage (CV)	4.2V to 50 mA
Max charge rate (continuous)	10.6 A	
Nominal cell weight	93 g	
Operating Temperature	Charge	-20 to +60 °C
	Discharge	-40 to +70 °C
Storage Temperature	-40 to +60 °C	



Certifications

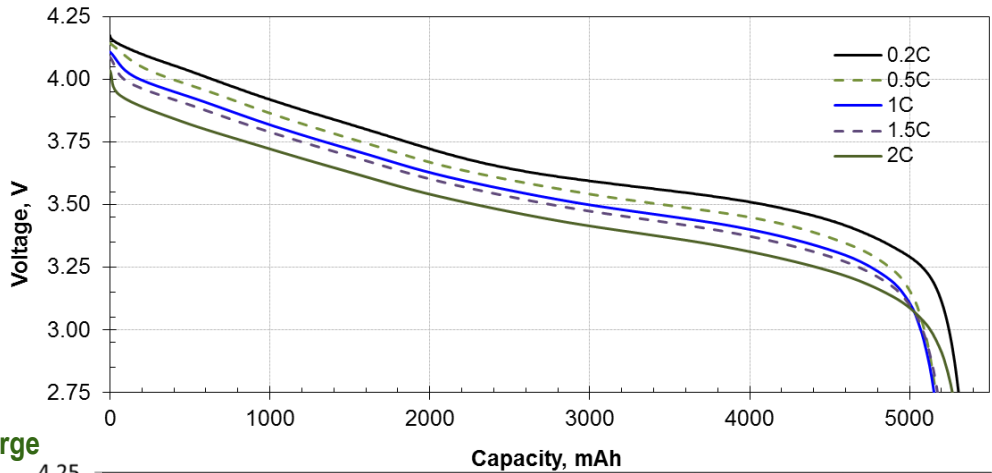
UN 38.3, UL1642, IEC 62133, ROHS 2002/95/EC, CTIA IEEE 1725

Cycle Life at 100% Depth of Discharge (DOD)

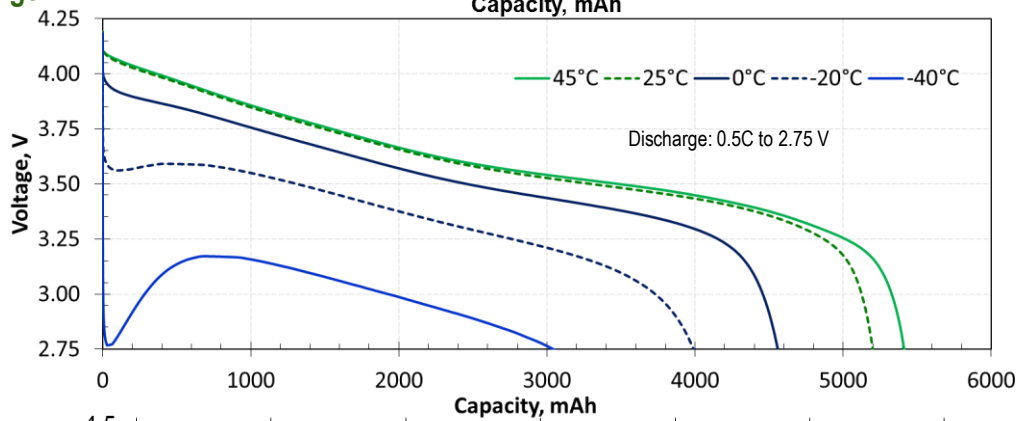


¹ Standard discharge 0.2C to 2.75 V
² 50% to 100% SOC

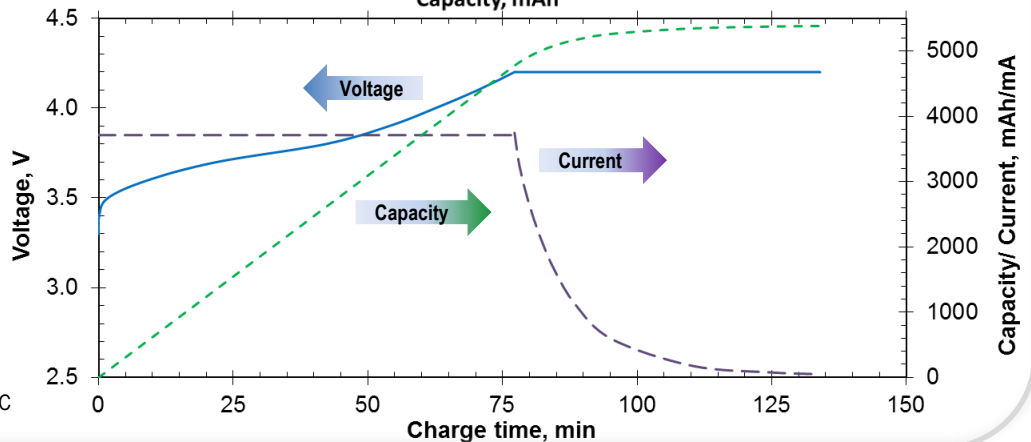
Discharge Capacity



Temperature Discharge Curve (0.5C)



Charge Curve (0.7C)



Temperature: 23°C ± 2°C
Standard Charge

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