

LITHIUM-ION RECHARGEABLE BATTERY

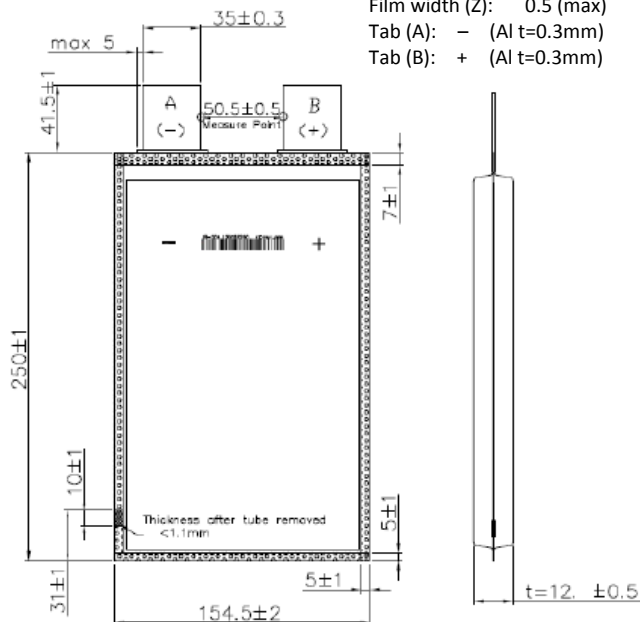
■ Cell Characteristics

Capacity	Typical	42Ah
	Minimum	40Ah
Cell Voltage	Nominal	2.2V
	Charge	2.7V
	Discharge	1.6V
Charge Current	Standard	8A (0.2C)
	Max. Continuous*	120A (3C)
Charging time	standard	4.5hrs
Discharge Current	standard	8A (0.2C)
	Max. Continuous*	200A (5C)
	Peak* (5sec @ 50% SOC)	400A (10C)
Internal Resistance	AC (1KHz)	< 1.2mΩ
Operating Temperature	Charge	0°C~45°C
	Discharge	-20°C~45°C
Energy Density	Volumetric	~198Wh/l
	Gravimetric	~90Wh/kg

*Cycle life performance is not warranted at maximum discharge current

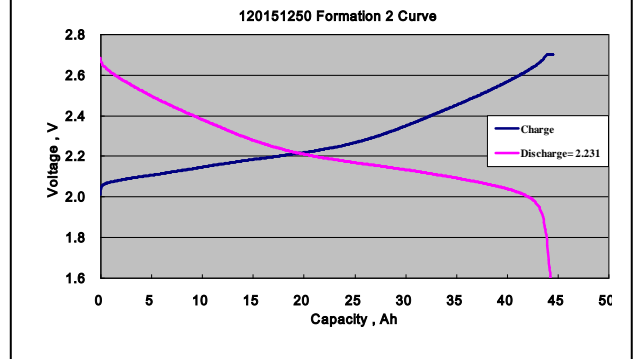
■ Physical Characteristics

Thickness (t) Initial cycle: 12.0 ± 0.5 mm
 Width(W): 155 mm
 Length(L): 250 mm
 Tab gap(X): 50.5mm
 Tab width (Y): 35 mm
 Film width (Z): 0.5 (max)
 Tab (A): - (Al t=0.3mm)
 Tab (B): + (Al t=0.3mm)

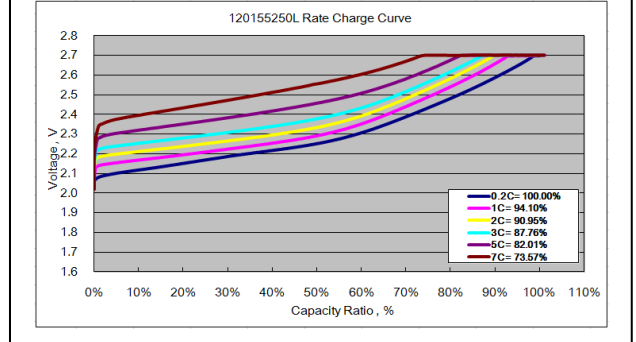


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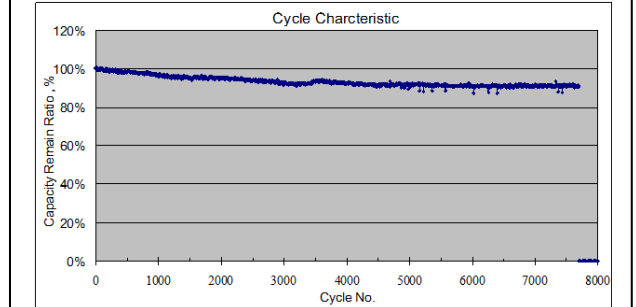
■ Charge/Discharge Characteristics



■ Discharge Rate Characteristics



■ Cycle Characteristics



The typical cycle life was tested in lab under controlled environment. The field life will be fluctuated by application environment.

