

**LITHIUM-ION RECHARGEABLE BATTERY**

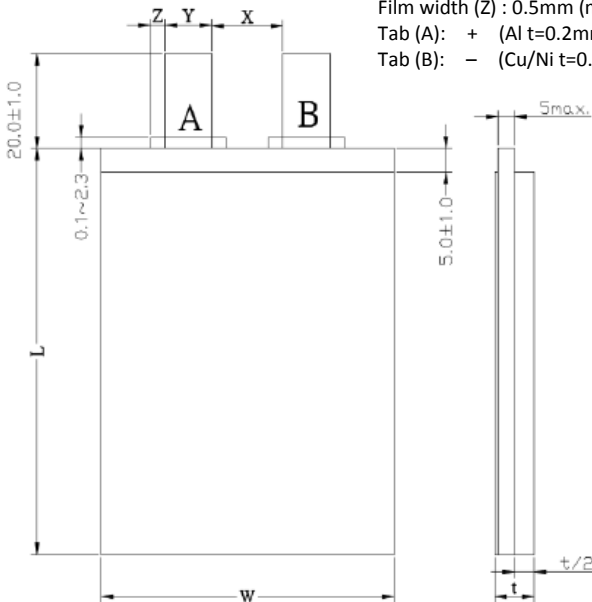
**Cell Characteristics**

Capacity	Typical	16.8Ah
	Minimum	16.0Ah
Cell Voltage	Nominal	3.7V
	Charge	4.2V
	Discharge	2.8V
Charge Current	Standard	3.2A
	Maximum	16.0A
Charge time	standard	5~7 hrs
Discharge Current	standard	3.2A
	Maximum*	32A
Internal Resistance	AC (1KHz)	< 4mΩ
Operating Temperature	Charge	0°C~55°C
	Discharge	-20°C~55°C
Energy Density	Volumetric	~512Wh/l
	Gravimetric	~246Wh/kg

\*Cycle life performance is not warranted at maximum discharge current

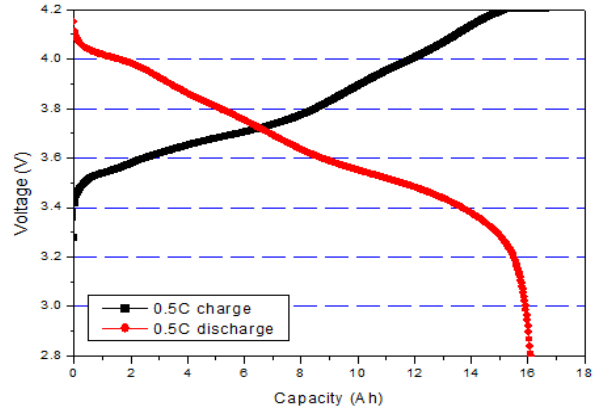
**Physical Characteristics**

Thickness Initial cycle :  $9.2 \pm 0.3$  mm  
 Width (W): 99 mm  
 Length (L) : 130 mm  
 Tab gap (X) : 15mm  
 Tab width (Y) : 10 mm  
 Film width (Z) : 0.5mm (max)  
 Tab (A): + (Al t=0.2mm)  
 Tab (B): - (Cu/Ni t=0.1mm)

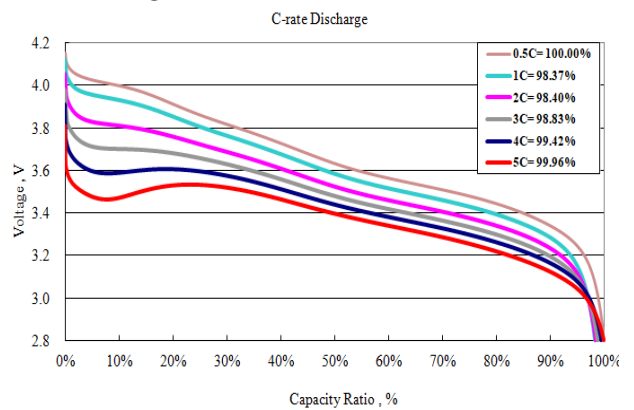


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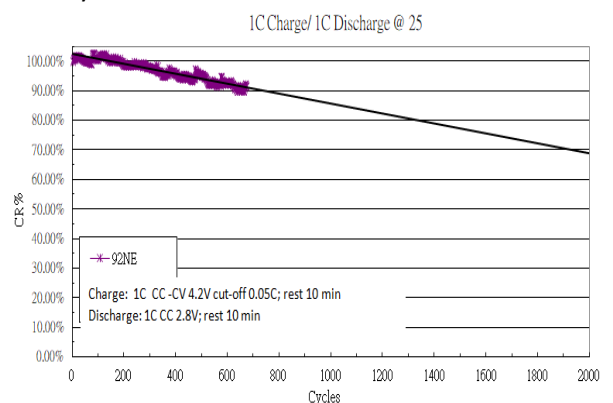
**Charge/Discharge Characteristics**



**Discharge Rate Characteristics**



**Cycle Characteristics**



\*1C-1C RT 1500 Cycle  $\geq$  70%SOH

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