

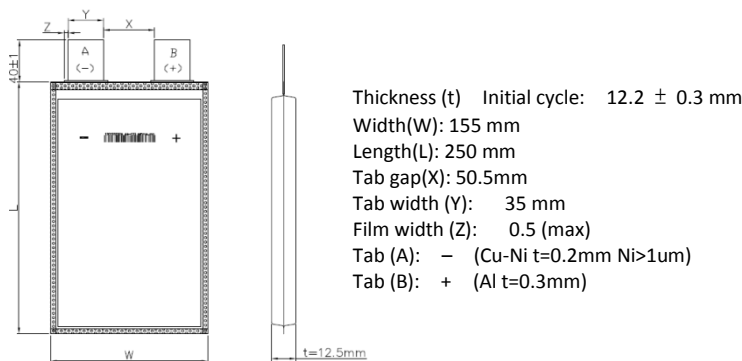
LITHIUM-ION RECHARGEABLE BATTERY

■ Cell Characteristics

Capacity	Typical	45Ah
	Minimum	44Ah
Cell Voltage	Nominal	3.6V
	Charge	4.2V
	Discharge	2.4V
Charge Current	Standard	8.8A (0.2C)
	Max. Continuous*	176A (4C)
Charging Time	Standard	5 hrs
Discharge Current	Standard	8.8A (0.2C)
	Max. Continuous*	176A (4C)
	Peak* (5sec @ 50% SOC)	352A (8C)
Internal Resistance	AC (1KHz)	< 0.8mΩ
Operating Temperature	Charge	0°C ~ 55°C
	Discharge	-20°C ~ 55°C
Energy Density	Volumetric	~348.3Wh/l
	Gravimetric	~175Wh/kg

* If the battery is used continuously under the maximum discharge current, the cycle life of the battery may be affected and may not be covered by the warranty.

■ Physical Characteristics

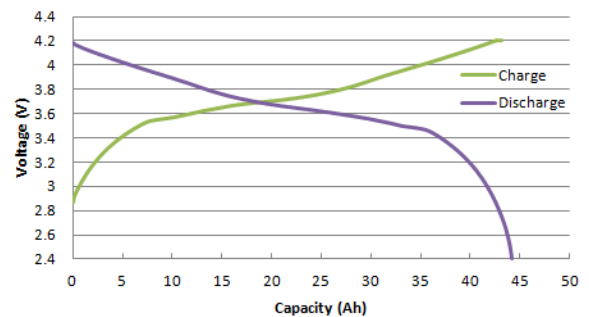


The information contained herein is for reference only and does not imply a performance guarantee or a product warranty. Specifications and characteristics are subject to change without prior notice.

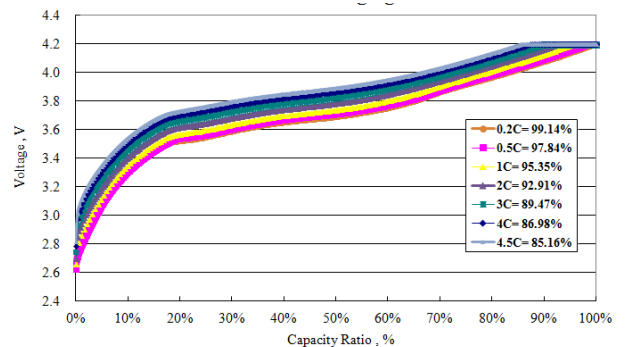
For application specific information, please contact Amita Technologies Inc. Sales and Applications or the nearest Amita recognized agent.

■ Charge/Discharge Characteristics

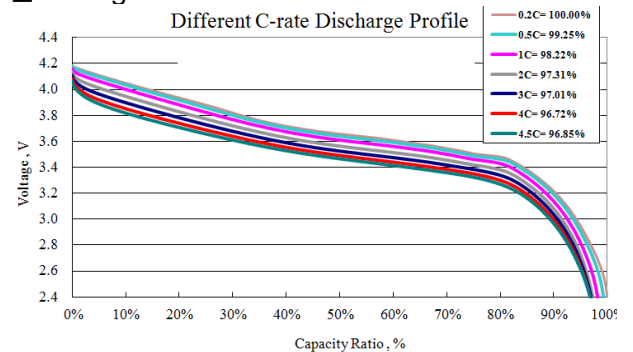
Charge: CC-CV 0.2C to 4.2V cut-off 0.05C;
 Discharge: CC 0.2C to 2.4 V cut-off



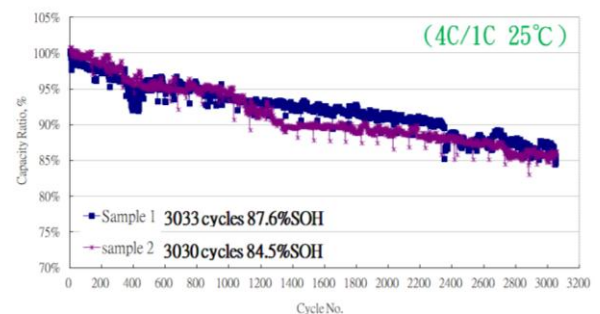
■ Charge Rate Characteristics



■ Charge Rate Characteristics



■ Cycle Characteristics



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