

LITHIUM-ION RECHARGEABLE BATTERY

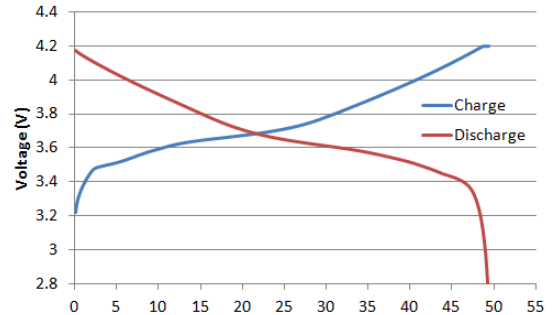
Cell Characteristics

Capacity	Typical	49Ah
	Minimum	48Ah
Cell Voltage	Nominal	3.65V
	Charge	4.2V
	Discharge	2.8V
Charge Current	Standard	9.6A (0.2C)
	Max. Continuous*	144A (3C)
Charging Time	Standard	4.5hrs
Discharge Current	Standard	9.6A (0.2C)
	Max. Continuous*	144A (3C)
	Peak* (5sec @ 50% SOC)	288A (6C)
Internal Resistance	AC (1KHz)	< 1.0mΩ
Operating Temperature	Charge	10°C~55°C
	Discharge	-20°C~55°C
Energy Density	Volumetric	~384.6Wh/l
	Gravimetric	~202Wh/kg

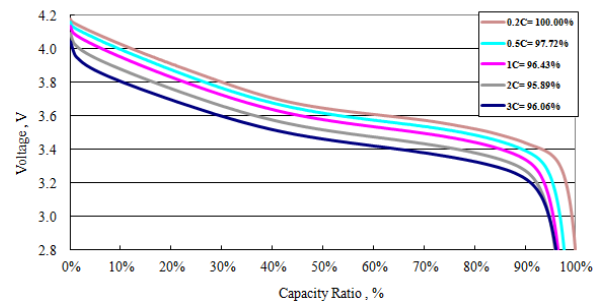
* If the battery is used continuously under the maximum discharge current, the cycle life of the battery may be affected and may not be covered by the warranty.

Charge/Discharge Characteristics

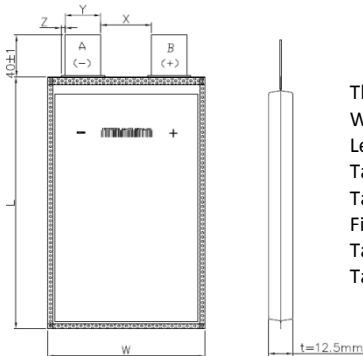
Charge: CC-CV 0.2C to 4.2V cut-off 0.05C;
Discharge: CC 0.2C to 2.8 V cut-off



Charge Rate Characteristics



Physical Characteristics

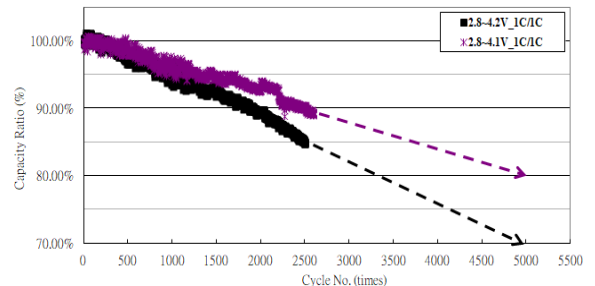


Thickness (t) Initial cycle: 12.2 ± 0.3 mm
Width (W): 155 mm
Length (L): 250 mm
Tab gap (X): 50.5 mm
Tab width (Y): 35 mm
Film width (Z): 0.5 (max)
Tab (A): - (Cu-Ni t=0.2mm Ni>1um)
Tab (B): + (Al t=0.3mm)

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.

Cycle Characteristics



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