AMITA TECHNOLOGIES INC.

PRODUCTDATASHEET

LITHIUM-IONRECHARGEABLEBATTERY

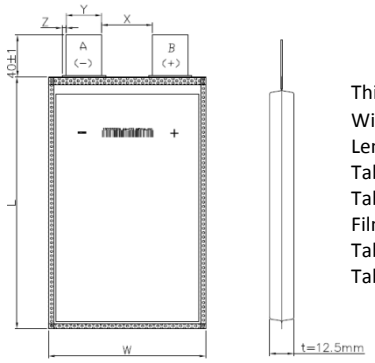
MODEL 120155250P-LF01

■Cell Characteristics

Capacity	**Typical**	**40Ah**
	Minimum	**39Ah**
Cell Voltage	**Nominal**	**3.2V**
	Charge	**3.65V**
	Discharge	**2.5V**
Charge Current	**Standard**	**8 A**
	Maximum	**120 A**
Charge time	**Standard**	**6 hrs**
Discharge Current	**Standard**	**8 A**
	Maximum*	**120 A**
Internal Resistance	**AC (1KHz)**	**< 2mΩ**
Operating Temperature	**Charge**	**0°C~45°C**
	Discharge	**-20°C~45°C**
Energy Density	**Volumetric**	**~275Wh/l**
	Gravimetric	**~128Wh/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

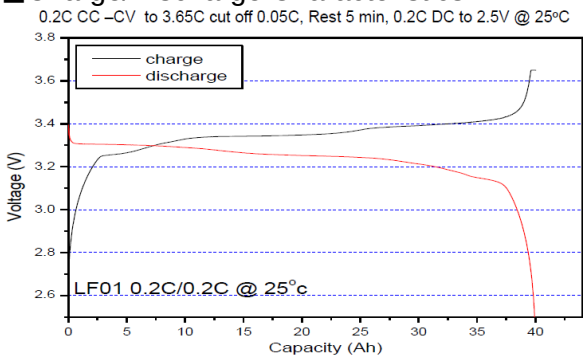


Thickness (t) Initial cycle: 12.2 ± 0.3 mm
Width(W): 155 mm
Length(L): 250 mm
Tab gap(X): 50.5mm
Tab width (Y): 35 mm
Film width (Z): 0.5 (max)
Tab (A): − (Cu-Ni t=0.2mm Ni>1um)
Tab (B): + (Al t=0.3mm)

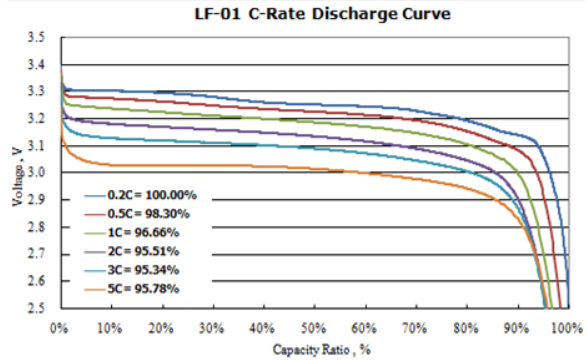
The information contained herein is for reference only and does not imply a performance guarantee or a product warranty. Specifications and characteristics are subject to change without prior notice.

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

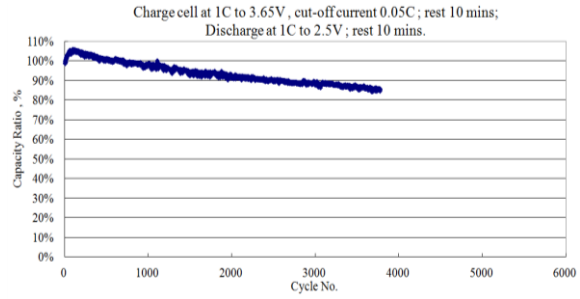
■Charge/Discharge Characteristics



■ 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.

Version 1.0
Jun. 18 ,2020