

1. Scope

This specification defines the characteristics of a rechargeable lithium ion battery manufactured by **ENERTECH INTERNATIONAL INC.**

2. Description and Model

2.1 Description Cell (Rechargeable Lithium ion Battery)

2.2 Model SPB636395

3. Nominal Specifications

Item		Specification
3.1 Nominal Capacity		4500 mAh(0.2C discharge)
3.2 Energy density	Volumetric	442 Wh/L
	Gravimetric	203 Wh/Kg
3.3 Nominal Voltage		3.7V
3.4 Operating Voltage Range		3.00V ~ 4.20V
3.5 Standard	Charge Current	2250mA (0.5C)
	Discharge Current	900mA (0.2C)
3.6 Maximum	Charge Current	4500mA (1.0C)
	Discharge Current	9000mA (2.0C)
3.7 Operating Temperature	Charge	0°C ~ 45°C
	Discharge	-20°C ~ 60°C
3.8 Storage Temperature	0°C ~ 25°C	≤ 1 Year
	0°C ~ 40°C	≤ 3 Month
	-10°C ~ 50°C	≤ 1 Month
3.9 Storage Humidity		45~85%RH
3.10 Cell size	Thickness	6.3 +0.2/-0.4mm (Initial fully charged Cell)
	Width	63.0 +0.0/-4.0mm
	Length	95.0 +2.0/-1.0mm
3.11 AC Impedance		Max. 15mΩ
3.12 Weight		Max. 82.0 g

Technical drawing of a battery pack assembly. The main view shows a rectangular battery pack with two cylindrical terminals on the right. Dimensions are given in millimeters with tolerances: overall width 95.0 +2.0/-1.0, overall height 63.0 +0.0/-4.0, terminal diameter 7.0 ±0.1, and terminal spacing 0.1 ±0.01. A side view shows the battery pack's profile with a height of 6.3 +0.2/-0.4. A table at the bottom right lists drawing characteristics and significant characteristics. A table at the bottom left lists drawing characteristics and significant characteristics. A table at the bottom right lists drawing characteristics and significant characteristics.

DATE	REV. CHG.	DESCRIPTION
20120510	0	INITIAL RELEASE

CRITICAL CHARACTERISTICS		SIGNIFICANT CHARACTERISTICS	
TOTAL ON DRAWING	0	TOTAL ON DRAWING	0

DRAWING NUMBER		CELL	
C116-1001-00			

DRAWING NAME		CELL	
MODEL NAME		SPB636395	

BASIC TOLERANCE		SCALE	
ZERO PLACE		1 : 1	
ONE PLACE			
TWO PLACE			
ANGLE			

UNIT	mm
SHEET NO	1 OF 1
SIZE	A4
3rd ANGLE	

DATE	REV.	CHG.	DESCRIPTION
20120510	0		INITIAL RELEASE

Technical drawing of the EnerTech SPB636395 battery pack. The drawing includes two views: a front view (top) and a side view (bottom).

Front View Dimensions:

- Overall width: $95.0 \pm 2.0 / -1.0$
- Overall height: $63.0 \pm 0.0 / 4.0$
- Terminal width (each): 7.0 ± 0.1
- Terminal spacing: 7.0 ± 0.1
- Part number: - EnerTech SPB636395
- Part number: + XXXXX XXXX A1

Side View Dimensions:

- Overall thickness: $6.3 \pm 0.2 / 0.4$
- Terminal thickness: 0.1 ± 0.01

BASIC TOLERANCE	SCALE	1 : 1
	UNIT	mm
	SHEET NO	1 OF 1
	SIZE	A4
3rd ANGLE		 
MODEL NAME SPB636395		
DRAWING NAME		

CELL	DRAWING NUMBER
	C116-1001-00

CRITICAL CHARACTERISTICS	SIGNIFICANT CHARACTERISTICS
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	TOTAL ON DRAWING 0		TOTAL ON DRAWING 0
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