	<b>SIMPLIFIED SPECIFICATION</b>	Rev.	0.0
		Date of Issued	18 July. 2012
		Date of revision	18 July. 2012
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# SPECIFICATION OF PRODUCT

**Rechargeable Lithium Ion Battery**

**Model : SPB283349**

**(Grade : A1)**


## ENERTECH INTERNATIONAL, INC.

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	Issued	Checked	Approved
<b>ENERTECH INTERNATIONAL, INC.</b>	<div style="border: 2px solid blue; padding: 5px; display: inline-block;"> <b>Electronic Approval</b> </div>		
Date			

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## 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                    SPB283349

## 3. Nominal Specifications

Item		Specification
3.1 Nominal Capacity		500 mAh(0.2C discharge)
3.2 Energy density	Volumetric	409 Wh/L
	Gravimetric	191 Wh/Kg
3.3 Nominal Voltage		3.7V
3.4 Operating Voltage Range		3.00V ~ 4.20V
3.5 Standard	Charge Current	250mA (0.5C)
	Discharge Current	100mA (0.2C)
3.6 Maximum	Charge Current	500mA (1.0C)
	Discharge Current	1000mA (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	2.8 +0.2/-0.4mm (Initial fully charged Cell)
	Width	Max 33.0mm
	Length	Max 49.0mm
3.11 AC Impedance		Max. 80mΩ
3.12 Weight		Max. 9.7g

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◆ **Out view drawing for SPB283349**

