	SIMPLIFIED SPECIFICATION	Rev.	0.0
		Date of Issued	18 July. 2012
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SPECIFICATION OF PRODUCT

Rechargeable Lithium Ion Battery

Model : SPB453459H

(Grade : H1)

ENERTECH INTERNATIONAL, INC.

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	Issued	Checked	Approved
ENERTECH INTERNATIONAL, INC.	<div style="border: 2px solid blue; padding: 5px; display: inline-block;"> Electronic Approval </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 SPB453459H

3. Nominal Specifications

Item		Specification
3.1 Nominal Capacity		740 mAh(0.2C discharge)
3.2 Energy density	Volumetric	303Wh/L
	Gravimetric	150Wh/Kg
3.3 Nominal Voltage		3.7V
3.4 Operating Voltage Range		2.80V ~ 4.20V
3.5 Standard	Charge Current	370mA (0.5C)
	Discharge Current	370mA (0.5C)
3.6 Maximum	Charge Current	740mA (1.0C)
	Discharge Current	11.1A (15.0C)
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	4.5 ± 0.3mm (Initial fully charged Cell)
	Width	34.0 +1.0/-2.0mm
	Length	59.0 +2.0/-1.0mm
3.11 AC Impedance		Max. 20mΩ
3.12 Weight		Max. 18.2 g

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◆ **Out view drawing for SPB453459H**

