	SIMPLIFIED SPECIFICATION	Rev.	2.0
		Date of Issued	25 August. 2009
		Date of revision	17 July. 2012
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SPECIFICATION OF PRODUCT

Rechargeable Lithium Ion Battery

Model : SPB59253172

(Grade : PG1)

ENERTECH INTERNATIONAL, INC.

269, Chungjuhosu-ro, ChungJu-city, Chungbuk , Korea

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www.enertechint.com

	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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I . Cell Specification

1. Scope


This specification defines the characteristics of a lithium ion rechargeable battery manufactured by **Enertech International Inc.**

2. Descriptions and Model

2.1 Description	Rechargeable Lithium Ion Battery
2.2 Model	SPB59253172PG1

3. Specifications

Item	Specification	Remark		
3.1 Nominal Capacity	16.0 Ah			
3.2 Energy Density	Volumetric	227 Wh/l		
	Gravimetric	130 Wh/kg		
3.3 Weight	≤450 g			
3.4 Nominal Voltage	3.65 V			
3.5 Operating Voltage Range	Max.	4.10 V		
	Min.	2.50 V		
3.6 Standard Current	Charge	5.3 A	1/3C	
	Discharge	5.3 A	1/3C	
3.7 Maximum Current	Charge	80 A	5C	
	Discharge	80 A	5C	
	Pulse Discharge	112 A	Pulse<10sec	
3.8 Internal Resistance	<1mΩ	Max. AC impedance at 1kHz		
3.9 Operating Temperature	Charge	-20°C ~ 55°C		
	Discharge	-20°C ~ 55°C		
	Recommend	25 ± 3°C		
3.10 Storage Temperature	Range	-40°C ~ 60°C		
	Recommend	25 ± 3°C		
3.11 Storage Humidity	45~85%RH	Not condensed		
3.12 Cell Dimensions	Thickness	5.9mm	+ 0.1- 0.4	Initial full charge
	Width	253mm	± 1	
	Length	172mm	+ 2.0- 1.6	Excluding tab

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II. Out View Drawing

(unit : mm)

