	SIMPLIFIED SPECIFICATION	Rev.	0.0
		Date of Issued	25 August. 2009
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SPECIFICATION OF PRODUCT

Rechargeable Lithium Ion Battery

Model : SPB58253172

(Grade : EG1)

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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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	SPB58253172EG1

3. Specifications

Item		Specification		Remark	
3.1	Nominal Capacity	17.5 Ah			
3.2	Energy Density	Volumetric	253 Wh/l		
		Gravimetric	148 Wh/kg		
3.3	Weight	≤430g			
3.4	Nominal Voltage	3.65 V			
3.5	Operating Voltage Range	Max.	4.10V		
		Min.	2.50V		
3.6	Standard Current	Charge	5.83A	1/3C	
		Discharge	5.83A	1/3C	
3.7	Maximum Current	Charge	35.0A	2.0C	
		Discharge	52.5A	3.0C	
		Discharge	87.5A	Pulse@≤10sec	
3.8	Internal Resistance	<2mΩ		Max. AC impedance at 1kHz	
3.9	Operating Temperature	Charge	-20°C ~ 55°C		
		Discharge	-20°C ~ 55°C		
		Recommend	25°C ± 3°C		
3.10	Storage Temperature	Range	-40°C ~ 60°C		
		Recommend	25°C ± 3°C		
3.11	Storage Humidity	45~85%RH		Not condensed	
3.12	Cell Dimensions	Thickness	5.8mm	+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)

