

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

Rechargeable Lithium Ion Battery
Model : SPB150140220
(Grade : V1)

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	SPB150140220V1

3. Specifications

Item		Specification		Remark	
3.1	Nominal Capacity	20.0 Ah			
3.2	Energy Density	Volumetric	153 Wh/l		
		Gravimetric	99 Wh/kg		
3.3	Weight	≤ 650 g			
3.4	Nominal Voltage	3.20 V			
3.5	Operating Voltage Range	Max.	3.60 V		
		Min.	2.00 V		
3.6	Standard Current	Charge	10.0 A	1/2C	
		Discharge	10.0 A	1/2C	
3.7	Maximum Current	Charge	40.0 A	2.0C	
		Discharge	100.0 A	5.0C	
3.8	Internal Resistance	<3mΩ		Max. AC impedance at 1kHz	
3.9	Operating Temperature	Charge	0°C ~ 40°C		
		Discharge	-20°C ~ 55°C		
		Recommend	25 ± 3°C		
3.10	Storage Temperature	Range	-10°C ~ 45°C		
		Recommend	25 ± 3°C		
3.11	Storage Humidity	45~85%RH		Not condensed	
3.12	Cell Dimensions	Thickness	14.0mm	± 1.5	Initial full charge
		Width	140mm	± 1.5	
		Length	217mm	± 3.0	Excluding tab

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II. Out View Drawing

(unit : mm)

