	<b>SIMPLIFIED SPECIFICATION</b>	Rev.	0.0
		Date of Issued	10 Feb. 2012
		Date of revision	10 Feb. 2012
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# SPECIFICATION OF PRODUCT

Rechargeable Lithium Ion Battery

Model : SPB90140220

(Grade : V1)

## ENERTECH INTERNATIONAL, INC.

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

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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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## 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	SPB90140220V1

### 3. Specifications

Item		Specification		Remark	
3.1	Nominal Capacity	20.0 Ah			
3.2	Energy Density	Volumetric	271 Wh/l		
		Gravimetric	151 Wh/kg		
3.3	Weight	≤490 g			
3.4	Nominal Voltage	3.70 V			
3.5	Operating Voltage Range	Max.	4.20 V		
		Min.	3.00 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	
		Pulse Discharge	200.0 A	Pulse<10sec	
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 ~ 40°C		
		Recommend	25 ± 3°C		
3.11	Storage Humidity	45~85%RH		Not condensed	
3.12	Cell Dimensions	Thickness	9.0mm	± 0.5	Initial full charge
		Width	140mm	± 1.5	
		Length	217mm	± 1.5	Excluding tab

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## II. Out View Drawing

(unit : mm)

