
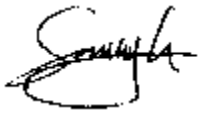
			Title		
			<b>Lithium ion Rechargeable Cell Specification (SPB8060155V1)</b>		
	RESPONSIBLE	DATE	SIZE	DOCUMENT NO.	REV
AUTHORS	WS EOM	May.31.2021	A4	CE14-5020	00
USER					
RELEASE			<b>MANUAL CHANGE PROHIBITED</b>		SHEET 1 OF 3

# *Lithium ion Rechargeable Cell Specification*

**SPB8060155V1, 3.7V, 7.9Ah**

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TITLE	SIZE	DOCUMENT NO.	REV
Simplified Specification (SPB8060155V1)	A4	CE14-5020	00
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## 1. Descriptions

1.1 Description

Rechargeable Lithium ion Rechargeable Cell

1.2 Model

SPB8060155V1

## 2. Nominal specification

Item	Specification	
2.1 Nominal Capacity	7.9Ah (0.5C discharge)	
2.2 Energy density	Volumetric	393Wh/L
	Gravimetric	191Wh/Kg
2.3 Nominal Voltage	3.7V	
2.4 Operating Voltage Range	2.80V ~ 4.20V	
2.5 Standard	Charge Current	3.95A (0.5C)
	Discharge Current	3.95A (0.5C)
2.6 Maximum*	Charge Current	15.8A (2.0C)
	Discharge Current	63.2A (8.0C) ( $\leq 10\text{sec}$ , $\geq \text{SOC}50\%$ )
2.7 Operating Temperature	Charge	0°C ~ 45°C
	Discharge	-20°C ~ 60°C
	Recommend	25 $\pm$ 3°C
2.8 Storage Temperature	0°C ~ 25°	$\leq 1\text{Year}$
	0°C ~ 45°C	$\leq 3\text{Month}$
	-20°C ~ 55°C	$\leq 1\text{Month}$
2.9 Storage Humidity	45 ~ 85%RH	
2.10 Cell size	Thickness	8.0 +0.0/-0.4mm (Initial fully charged Cell)
	Width	60.0 +1.0/-2.0mm
	Length	155.0 +2.0/-1.0mm
2.11 AC Impedance	Max. 5.0m $\Omega$	
2.12 Weight	150 $\pm$ 3.0g	

\* Maximum Current is not for the continuous cycle condition, only check the cell performance.

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### 3. Mechanical Drawings

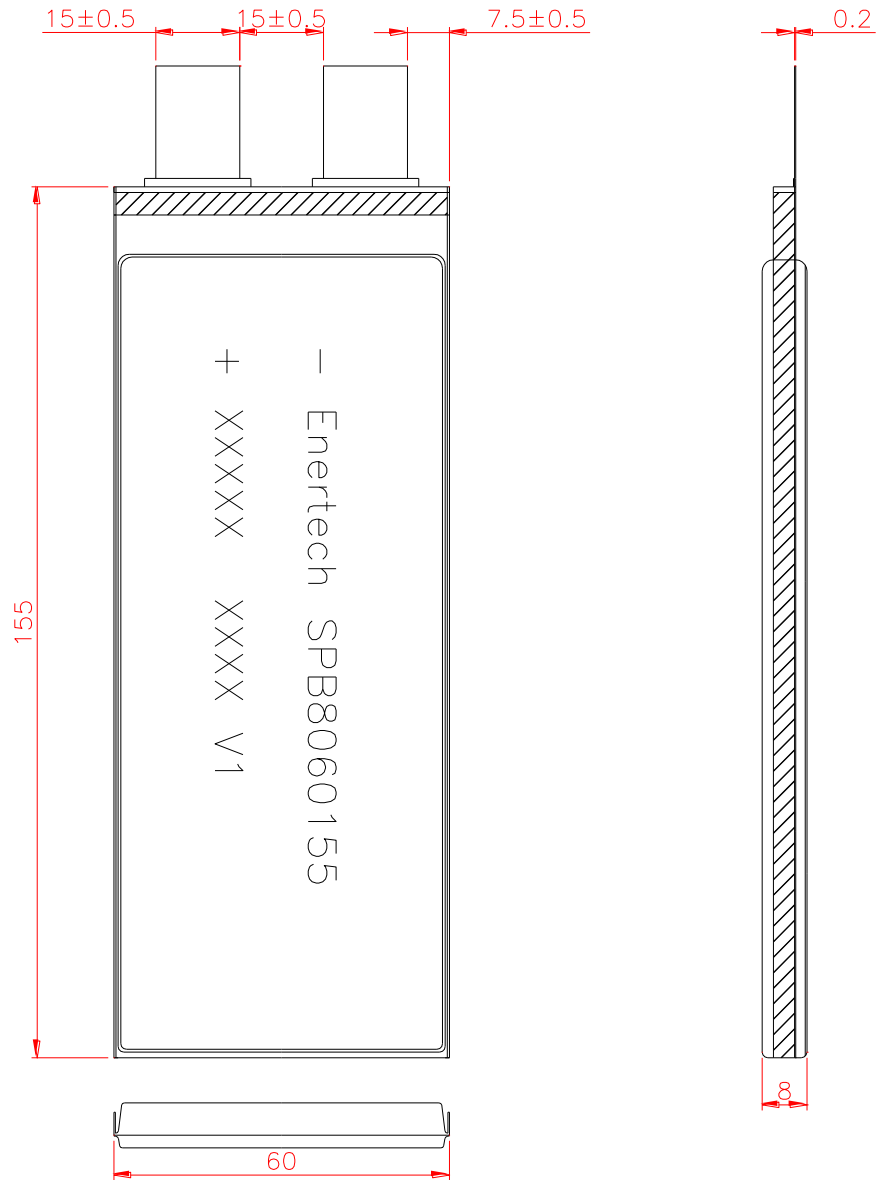


Figure 1 Lithium ion Rechargeable Cell Outline Drawing