			Title		
			Lithium ion Rechargeable Cell Specification (SPB70115145V1)		
	RESPONSIBLE	DATE	SIZE	DOCUMENT NO.	REV
AUTHORS			A4	CE07-5020	00
USER					
RELEASE			MANUAL CHANGE PROHIBITED		SHEET 1 OF 3

Lithium ion Rechargeable Cell Specification


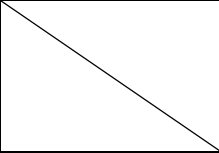
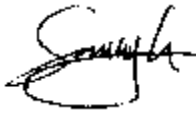
SPB70155145V1, 3.7V, 12.0Ah

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TITLE	SIZE	DOCUMENT NO.	REV
Battery Specification (SPB70115145V1)	A4	CE07-5020	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	12.0Ah (0.5C discharge)	
2.2 Energy density	Volumetric	380Wh/L
	Gravimetric	185Wh/Kg
2.3 Nominal Voltage	3.7V	
2.4 Operating Voltage Range	3.00V ~ 4.20V	
2.5 Standard	Charge Current	6.0A (0.5C)
	Discharge Current	6.0A (0.5C)
2.6 Maximum*	Charge Current	12.0A (1.0C)
	Discharge Current	24.0A (2.0C)
2.7 Operating Temperature	Charge	0°C ~ 45°C
	Discharge	-20°C ~ 55°C
	Recommend	25 ± 3°C
2.8 Storage Temperature	0°C ~ 25°C	≤ 1Year
	0°C ~ 40°C	≤ 3Month
	-10°C ~ 50°C	≤ 1Month
2.9 Storage Humidity	45 ~ 85%RH	
2.10 Cell size	Thickness	7.0 +0.0/-0.5mm (Initial fully charged Cell)
	Width	115.0 ± 2.0mm
	Length	145.0 ± 2.0mm
2.11 AC Impedance	Max. 3.0mΩ	
2.12 Weight	Max. 240g	

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

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Battery Specification (SPB70115145V1)	A4	CE07-5020	00
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3. Mechanical Drawings

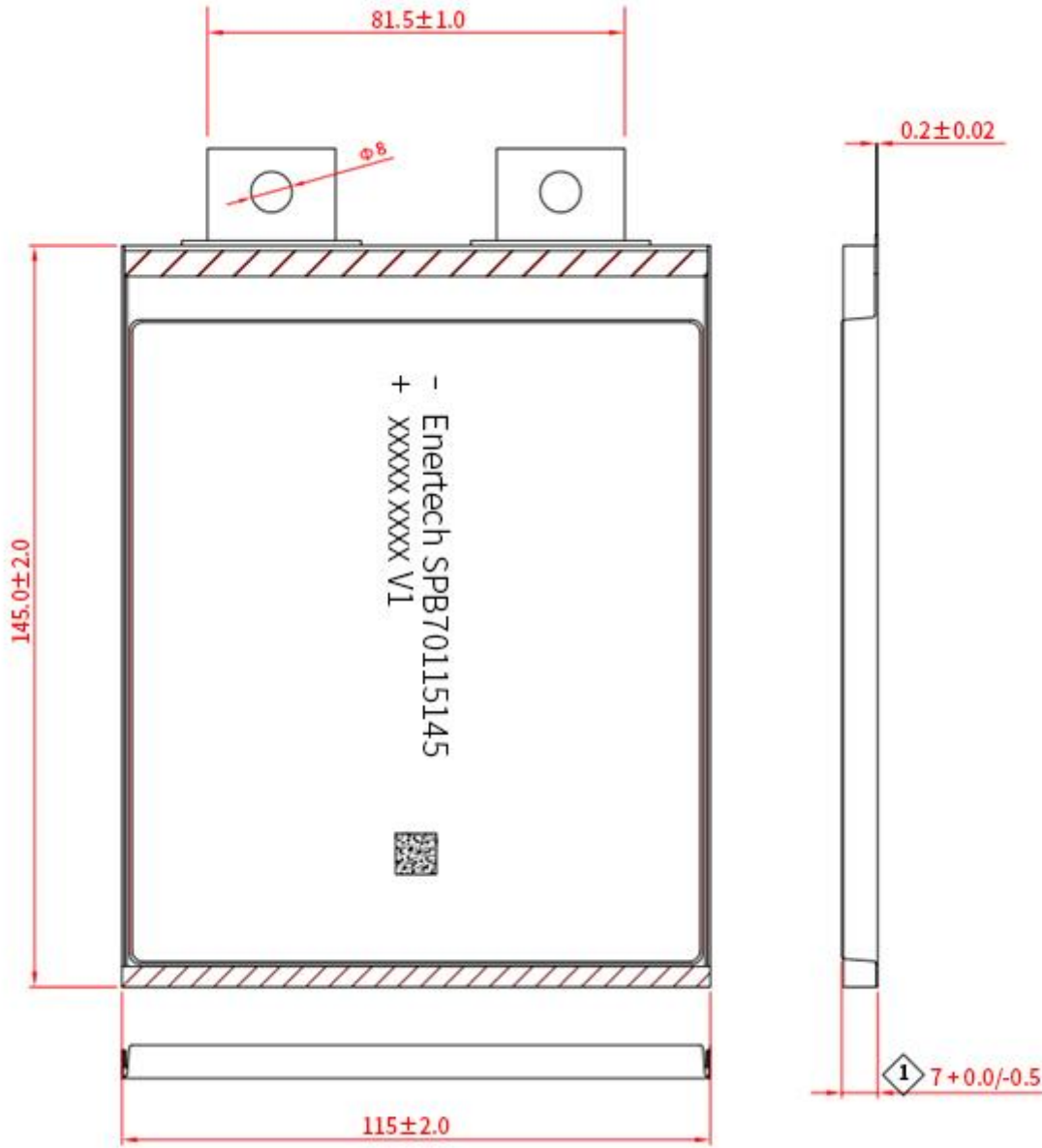


Figure 1 Lithium ion Rechargeable Cell Outline Drawing