			Title		
			Lithium ion Rechargeable Cell Specification (SPB58253172V2)		
	RESPONSIBLE	DATE	SIZE	DOCUMENT NO.	REV
AUTHORS			A4	CE09-5020	00
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RELEASE			MANUAL CHANGE PROHIBITED		SHEET 1 OF 3

Lithium ion Rechargeable Cell Specification


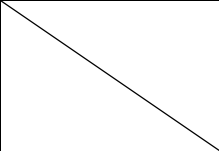
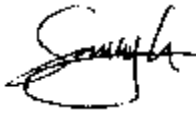
SPB58253172V2, 3.75V, 21.0Ah

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Battery Specification (SPB58253172V3)	A4	CE09-5020	00
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1. Descriptions

1.1 Description

Rechargeable Lithium ion Rechargeable Cell

1.2 Model

SPB58253172V2

2. Nominal specification

Item		Specification
2.1 Nominal Capacity		21.0Ah (0.5C discharge)
2.2 Energy density	Volumetric	321Wh/L
	Gravimetric	164Wh/Kg
2.3 Nominal Voltage		3.75V
2.4 Operating Voltage Range		3.00V ~ 4.20V
2.5 Standard	Charge Current	10.5A (0.5C)
	Discharge Current	10.5A (0.5C)
2.6 Maximum*	Charge Current	63.0A (3.0C)
	Discharge Current	105.0A (5.0C)
	Peak Discharge	147.0A (7.0C)
2.7 Operating Temperature	Charge	0°C ~ 55°C
	Discharge	-20°C ~ 55°C
	Recommend	25 ± 3°C
2.8 Storage Temperature	-20°C ~ 25°C	≤ 1Year
	-20°C ~ 55°C	≤ 1Month
2.9 Storage Humidity		45 ~ 85%RH
2.10 Cell size	Thickness	5.8 +0.2/-0.4mm (Initial fully charged Cell)
	Width	253.0 ± 1.0mm
	Length	172.0 ± 1.0mm
2.11 AC Impedance		Max. 2.0mΩ
2.12 Weight		Max. 480.0g

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

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Battery Specification (SPB58253172V3)	A4	CE09-5020	00
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3. Mechanical Drawings

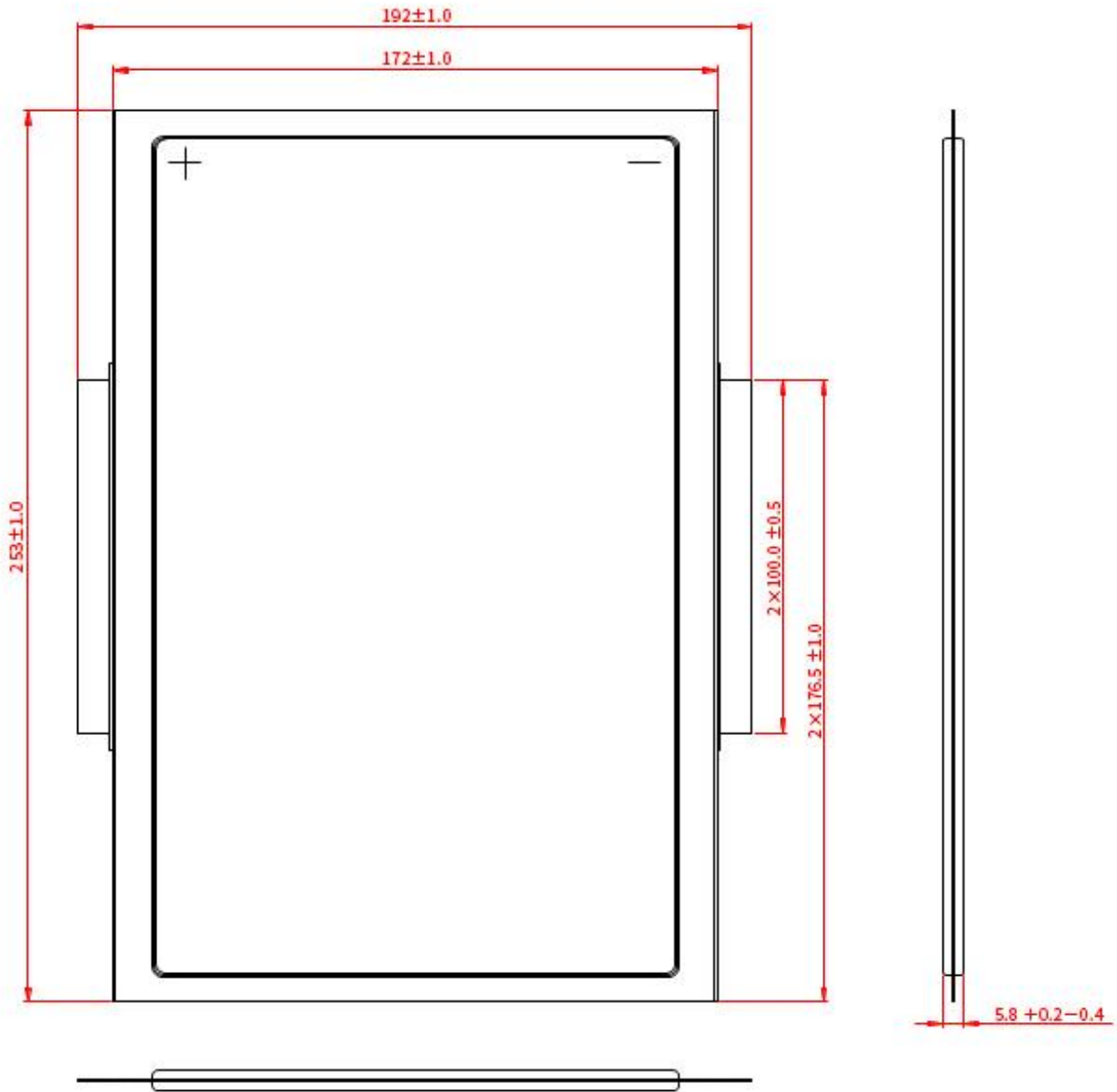


Figure 1 Lithium ion Rechargeable Cell Outline Drawing