			Title		
			Lithium ion Rechargeable Cell Specification (SPB58253172P3)		
	RESPONSIBLE	DATE	SIZE	DOCUMENT NO.	REV
AUTHORS			A4	CE17-5020	00
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Lithium ion Rechargeable Cell Specification


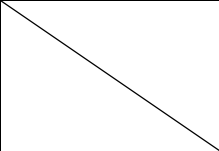
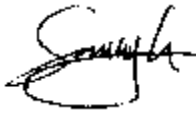
SPB58253172P3, 3.7V, 23.0Ah

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Battery Specification (SPB58253172P3)	A4	CE17-5020	00
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1. Descriptions

1.1 Description	Rechargeable Lithium ion Rechargeable Cell
1.2 Model	SPB58253172P3

2. Nominal specification

Item	Specification	
2.1 Nominal Capacity	23.0Ah (0.5C discharge)	
2.2 Energy density	Volumetric	337Wh/L
	Gravimetric	177Wh/Kg
2.3 Nominal Voltage	3.7V	
2.4 Operating Voltage Range	2.70V ~ 4.20V	
2.5 Standard	Charge Current	11.5A (0.5C)
	Discharge Current	11.5A (0.5C)
2.6 Maximum*	Charge Current	69.0A (3.0C)
	Discharge Current	115.0A (5.0C)
	Peak Discharge	161.0A (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. 1.5mΩ	
2.12 Weight	Max. 480.0g	

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

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3. Mechanical Drawings

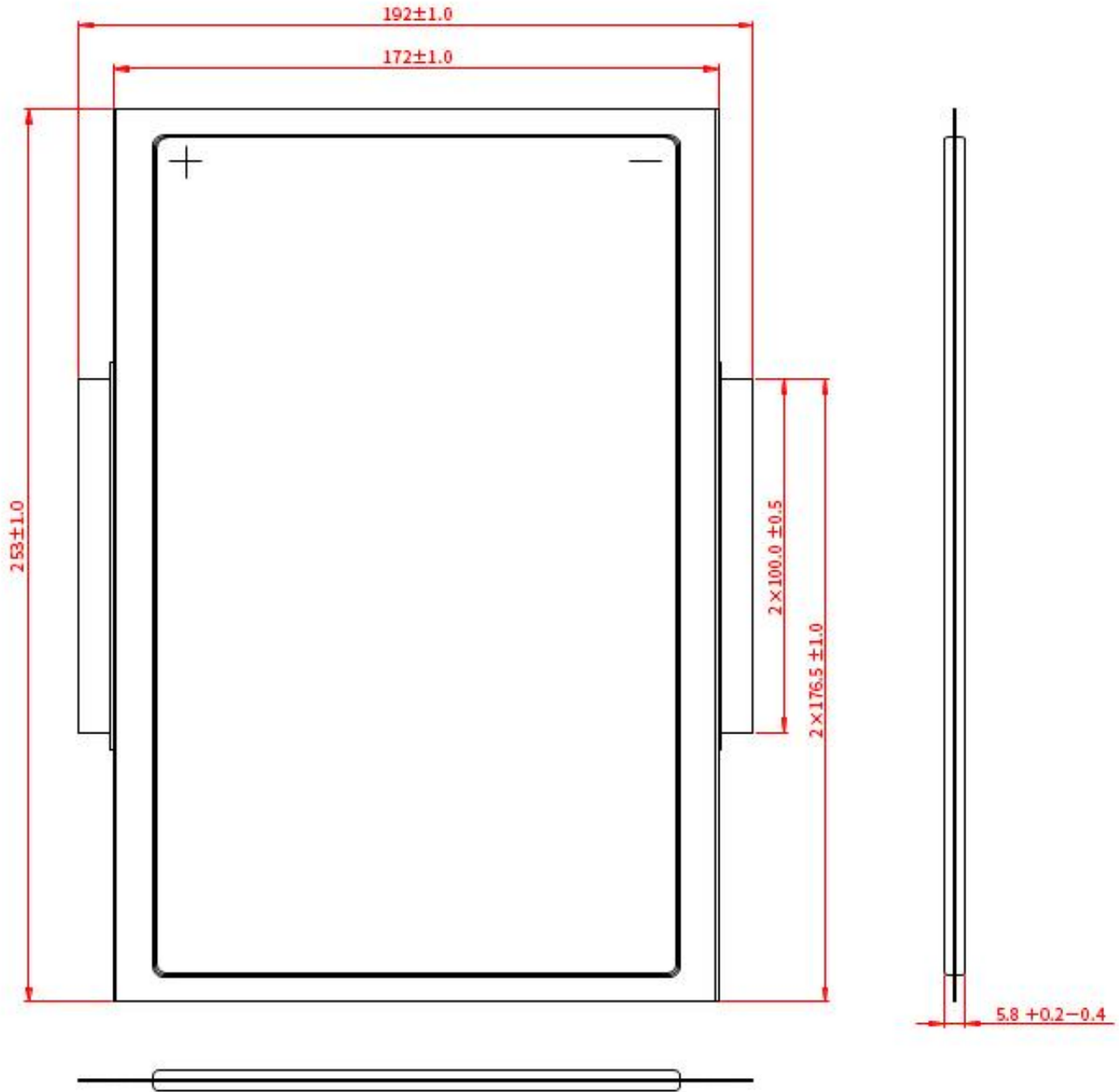


Figure 1 Lithium ion Rechargeable Cell Outline Drawing