			Title		
			Lithium ion Rechargeable Cell Specification (SPB58253172PG1)		
	RESPONSIBLE	DATE	SIZE	DOCUMENT NO.	REV
AUTHORS			A4	CE02-5020	00
USER					
RELEASE			MANUAL CHANGE PROHIBITED		SHEET 1 OF 3

# *Lithium ion Rechargeable Cell Specification*


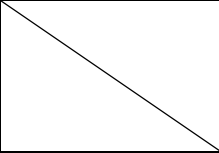
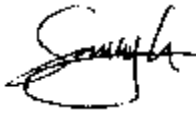
**SPB58253172PG1, 3.65V, 16.0Ah**

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TITLE	SIZE	DOCUMENT NO.	REV
Battery Specification (SPB58253172V3)	A4	CE02-5020	00
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## 1. Descriptions

1.1 Description	Rechargeable Lithium ion Rechargeable Cell
1.2 Model	SPB58253172PG1

## 2. Nominal specification

Item	Specification	
2.1 Nominal Capacity	16.0Ah (0.3C discharge)	
2.2 Energy density	Volumetric	227Wh/L
	Gravimetric	130Wh/Kg
2.3 Nominal Voltage	3.65V	
2.4 Operating Voltage Range	2.50V ~ 4.10V	
2.5 Standard	Charge Current	5.3A (0.3C)
	Discharge Current	5.3A (0.3C)
2.6 Maximum*	Charge Current	80.0A (5.0C)
	Discharge Current	80.0A (5.0C)
	Peak Discharge	250.0A ( $\leq 10\text{sec}$ , $\geq \text{SOC}50\%$ )
2.7 Operating Temperature	Charge	-20°C ~ 55°C
	Discharge	-20°C ~ 55°C
	Recommend	25 $\pm$ 3°C
2.8 Storage Temperature	-25°C ~ 25°C	$\leq 1\text{Year}$
	-20°C ~ 55°C	$\leq 1\text{Month}$
2.9 Storage Humidity	45 ~ 85%RH	
2.10 Cell size	Thickness	5.9 +0.1/-0.4mm (Initial fully charged Cell)
	Width	253.0 $\pm$ 1.0mm
	Length	172.0 -1.25mm
2.11 AC Impedance	Max. 1.0m $\Omega$	
2.12 Weight	Max. 450.0g	

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

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Battery Specification (SPB58253172V3)	A4	CE02-5020	00
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### 3. Mechanical Drawings

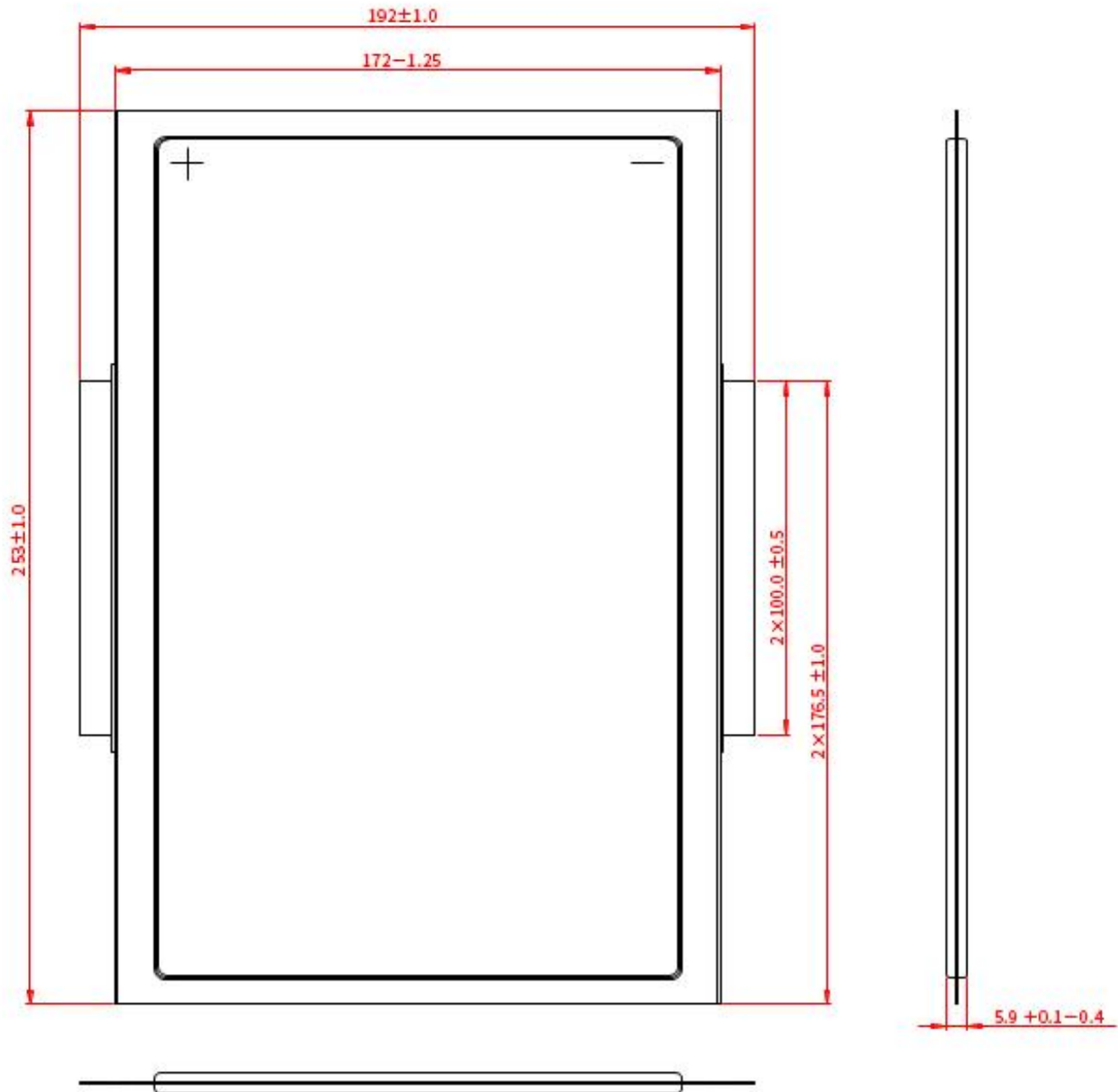


Figure 1 Lithium ion Rechargeable Cell Outline Drawing