
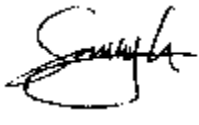
			Title		
			Lithium ion Rechargeable Cell Specification (SPB58253172 E30B)		
	RESPONSIBLE	DATE	SIZE	DOCUMENT NO.	REV
AUTHORS	SJ Baek	May.28.2021	A4	CE18-5020	00
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Lithium ion Rechargeable Cell Specification

SPB58253172 E30B, 3.7V, 30.0Ah

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Simplified Specification (SPB58253172 E30B)	A4	CE18-5020	00
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1. Descriptions

1.1 Description

Rechargeable Lithium ion Rechargeable Cell

1.2 Model

SPB58253172 E30B

2. Nominal specification

Item		Specification
2.1 Nominal Capacity		30.0Ah (0.3C discharge)
2.2 Energy density	Volumetric	440Wh/L
	Gravimetric	218Wh/Kg
2.3 Nominal Voltage		3.7V
2.4 Operating Voltage Range		2.70V ~ 4.20V
2.5 Standard	Charge Current	9.0A (0.3C)
	Discharge Current	9.0A (0.3C)
2.6 Maximum*	Charge Current	30.0A (1.0C)
	Discharge Current	60.0A (2.0C)
	Peak Discharge	90.0A (3.0C) ($\leq 10\text{sec}$, $\geq \text{SOC}50\%$)
2.7 Operating Temperature	Charge	0°C ~ 55°C
	Discharge	-20°C ~ 55°C
	Recommend	25 ±3°C
2.8 Storage Temperature	0°C ~ 25°	≤ 1Year
	0°C ~ 45°C	≤ 3Month
	-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. 510.0g

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

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3. Mechanical Drawings

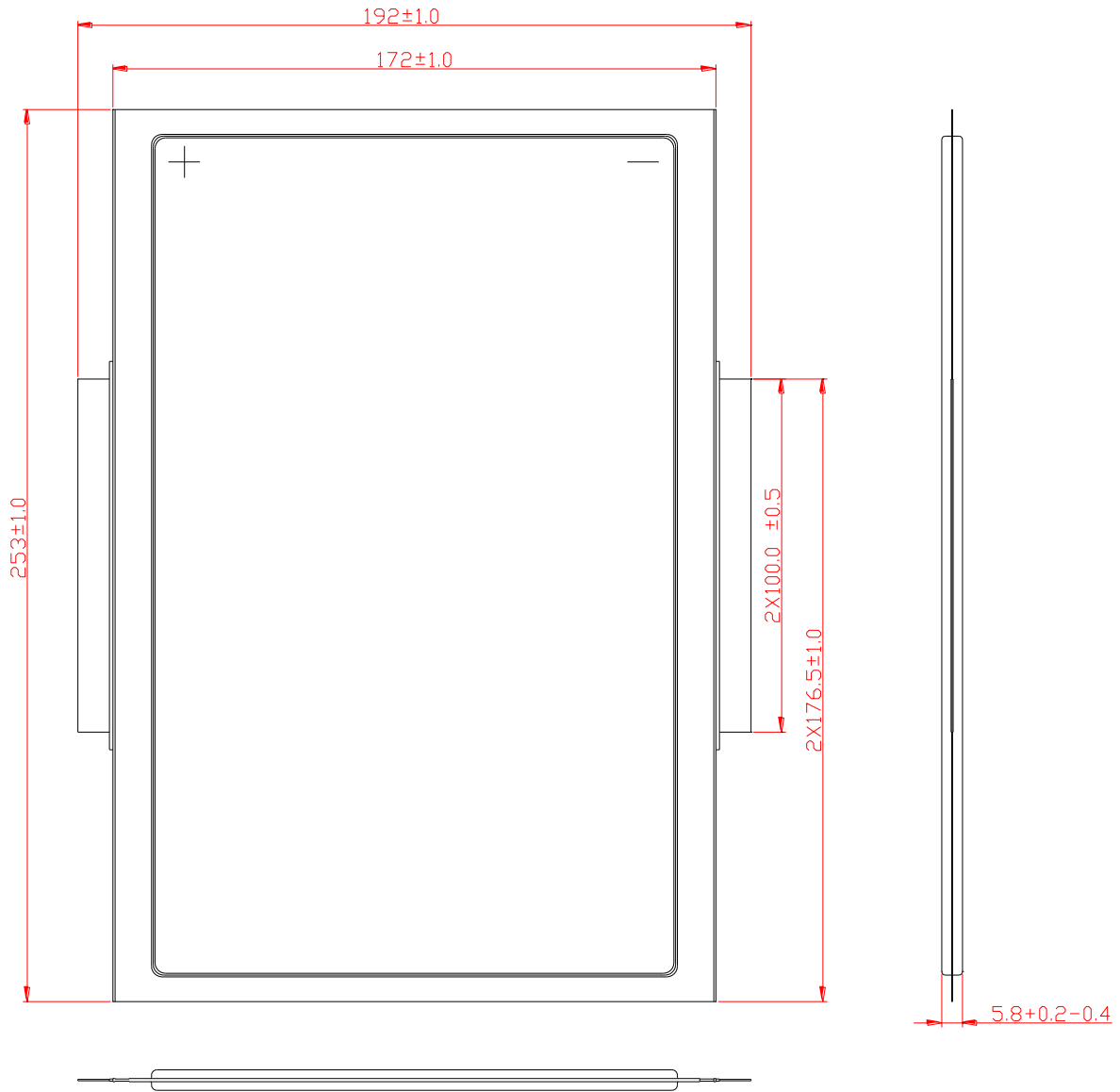


Figure 1 Lithium ion Rechargeable Cell Outline Drawing