



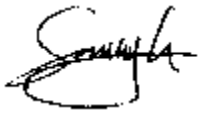
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|---|-------------|-------------|---|--------------|--------------|
|  | | | Title | | |
| | | | Lithium ion Rechargeable Cell Specification (SPB59253172PG1) | | |
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| RELEASE | | | MANUAL CHANGE PROHIBITED | | SHEET 1 OF 3 |

Lithium ion Rechargeable Cell Specification

SPB59253172PG1, 3.65V, 16.0Ah

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| Simplified Specification (SPB59253172PG1) | 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 (0.33C 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 (0.33C) |
| | Discharge Current | 5.3A (0.33C) |
| 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 | 0°C ~ 25° | $\leq 1\text{Year}$ |
| | 0°C ~ 45°C | $\leq 3\text{Month}$ |
| | -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 Ω |
| 2.12 Weight | | Max. 450.0g |

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

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3. Mechanical Drawings

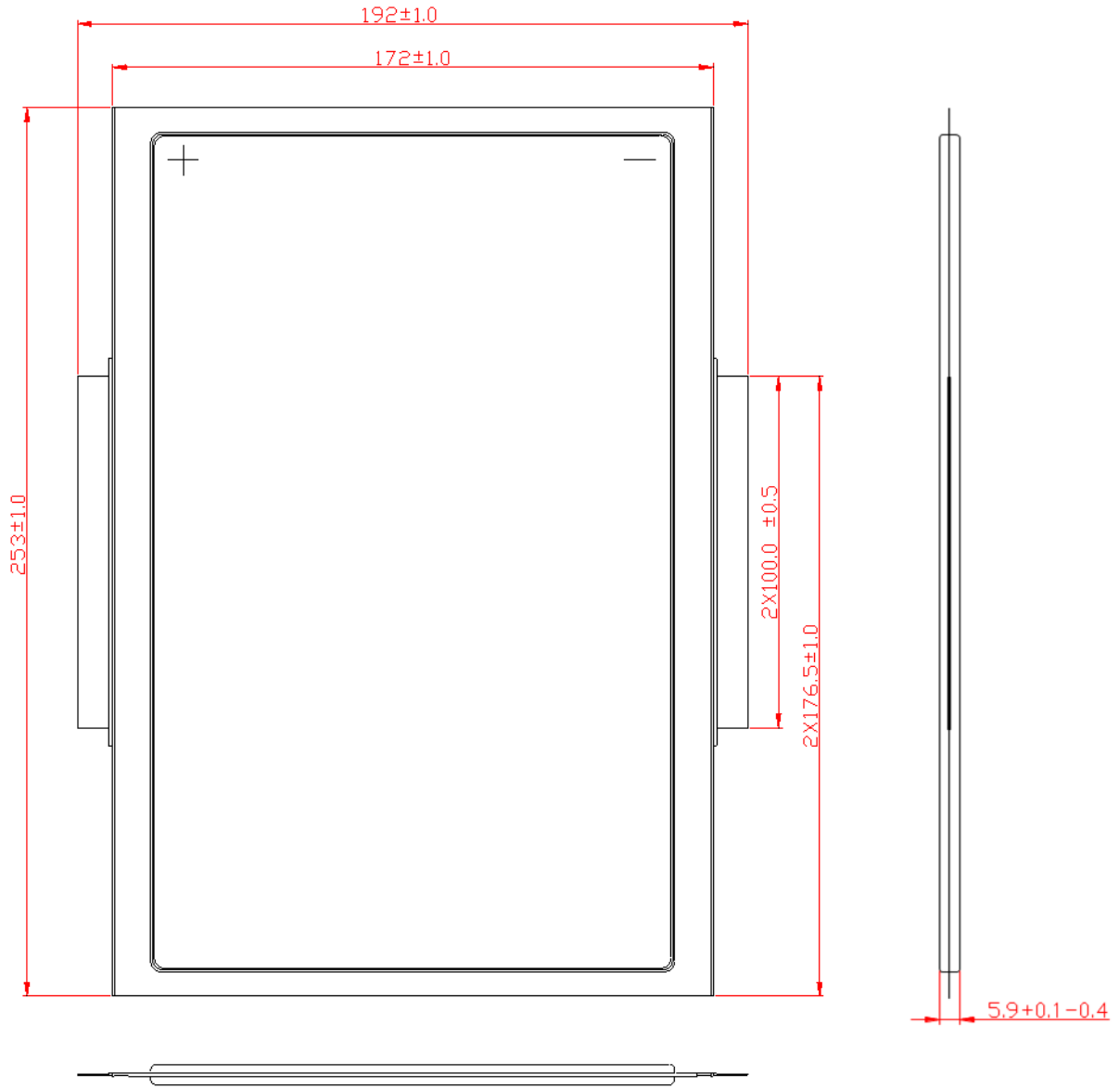


Figure 1 Lithium ion Rechargeable Cell Outline Drawing