

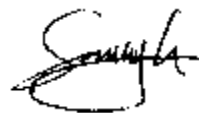
			TITLE		
			<b>Lithium ion Rechargeable Cell Specification (ETI123100302 P55A)</b>		
	RESPONSIBLE	DATE	SIZE	DOCUMENT NO.	REV
AUTHORS	SH KIM	04 Dec 2023	A4	CE24-5020	00
USER					
RELEASE			MANUAL CHANGE PROHIBITED		SHEET 1 OF 3

# *Lithium ion Rechargeable Cell Specification*

**ETI123100302 P55A, 3.7V, 55.0Ah**

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TITLE	SIZE	DOCUMENT NO.	REV
Simplified Specification (ETI123100302 P55A, 55Ah)	A4	CE24-5020	0.0
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## 1. Description and Model

1.1 Description    Lithium Ion Rechargeable Cell

1.2 Model            ETI123100302 P55A

## 2. Nominal Specifications

Item		Specification
2.1 Capacity	Nominal	55.0Ah
	Minimum	53.0Ah
2.2 Energy density	Volumetric	548Wh/L
	Gravimetric	248Wh/kg
2.3 Nominal Voltage		3.7V
2.4 Operating Voltage Range		2.7V ~ 4.2V
2.5 Standard	Charge Current	27.5A (0.5C)
	Discharge Current	27.5A (0.5C)
2.6 Maximum <sup>1)</sup>	Charge Current	110.0A (2.0C)
	Discharge Current	220.0A (4.0C)
	Peak Discharge	330.0A (6.0C) (≤ 60sec)
2.7 Operating Temperature <sup>2) 3) 4)</sup>	Charge	0°C ~ 55°C
	Discharge	-20°C ~ 55°C
2.8 Storage Temperature	0 ~ 25°C	≤ 1Year
	0 ~ 45°C	≤ 3Month
	-30 ~ 60°C	≤ 1Month
2.9 Storage Humidity		45 ~ 85%RH
2.10 Cell size	Thickness	12.3 ±0.3mm (shipping thickness) <sup>5)</sup>
	Width	100.0 ±1.0mm
	Length	302.0 ±1.0mm
2.11 AC Impedance		Max. 2.0mΩ
2.12 Weight		Max. 820.0g

\* The maximum current is not for the continuous cycle condition, only check the cell performance.

TITLE	SIZE	DOCUMENT NO.	REV
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### 3. Mechanical Drawings

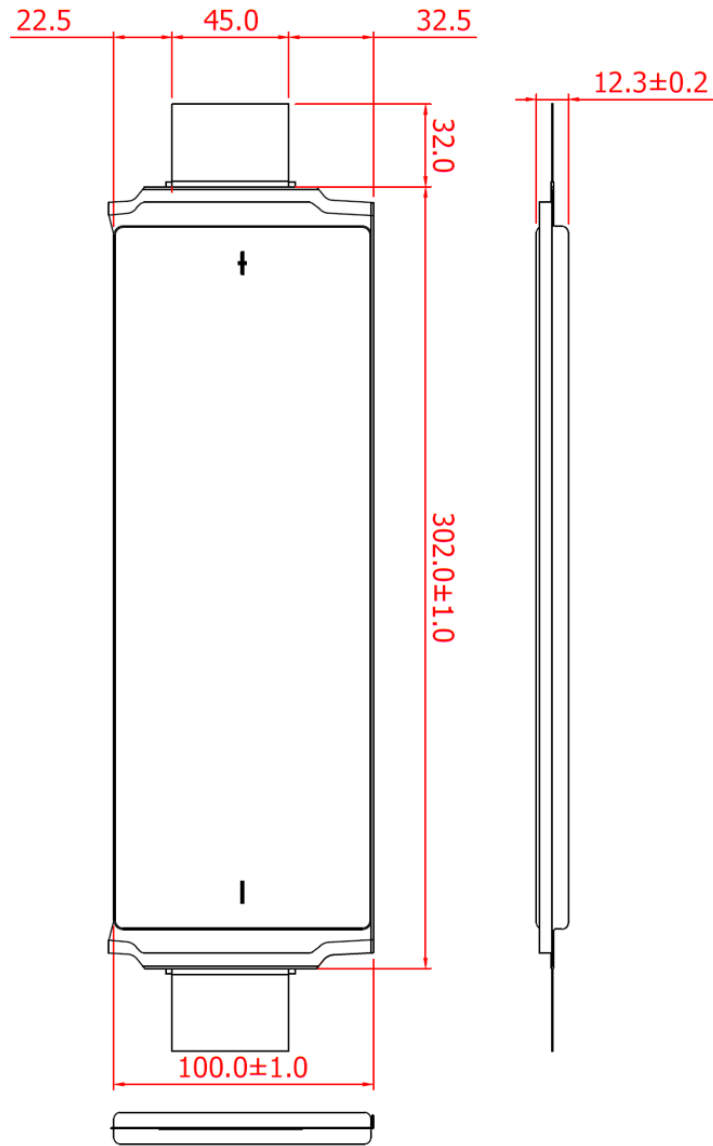


Figure 1 Lithium ion Rechargeable Cell Outline Drawing