

**SPB496395 (Rechargeable Li-ion Polymer Battery )**

Date

2006.06.05

**To :** \_\_\_\_\_

## **SPECIFICATION OF PRODUCT**

**Rechargeable Li-ion Polymer Battery**  
**Model : SPB496395 (3000mAh)**

### **SAEHAN-ENERTECH. INC.**

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## 1. Nominal Specifications

	Item	Specification
1	Battery Type	Rechargeable Li-ion Polymer Battery
2	Model	SPB496395
3	Nominal Capacity	3000mAh (0.2C Discharge)
4	Nominal Voltage	3.7V
5	Energy Density	Volume 378 Wh/L
		Weight 188 Wh/kg
6	Charging Mode	CC-CV (constant voltage with limited current)
7	Charging Current	Standard : 1500mA (0.5C) Rapid : 3000mA (1.0C)
8	Charging Voltage	4.2V
9	Max. Charge Current	3000 mA
10	Max. Discharge Current	6000mA (2.0C)
11	Cell Dimension (mm)	Thickness : 4.7 ±0.2 mm . (fully charged cell) Width : Max. 63 mm Height : 95 +1.0/-0.0 mm
12	Cell Weight	59.0 g or less
13	AC Impedance (at 1kHz)	45mΩ or less
14	Operating Temperature	Charge : 0 to 45℃ Discharge: -20 to 60℃
15	Storage Temperature	-10 ~ 40℃ (Within 6 months)
16	Overcharge Test	NE, NF (1A, 5V)
17	External Short-circuit Test	NE, NF (4.2V, 100mΩ )
18	Heating Test	NE, NF (130℃, 60min)
19	Crush	NE, NF (13kN force)

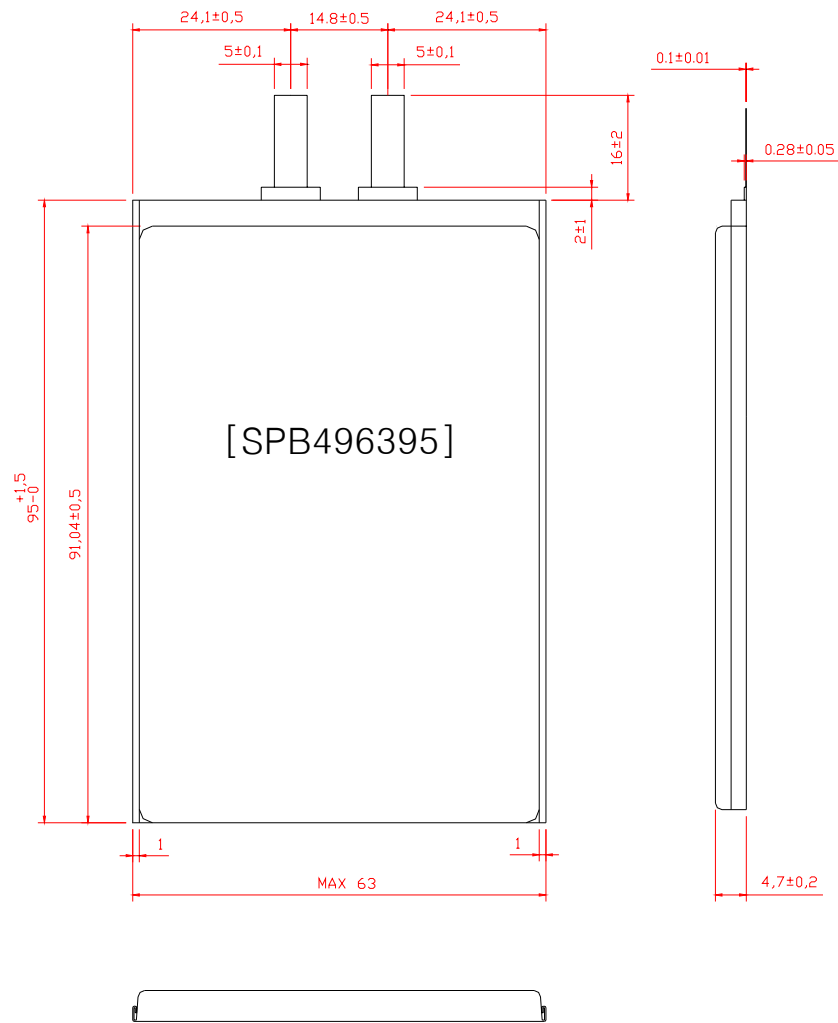
**2. Out View drawing for SPB496395**

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1. Spec.

Nominal Capacity	3000mAh
Nominal Voltage	3.7V
Weight	59.0g or less
Energy	Volume 378Wh/l
Density	Weight 188Wh/kg
AC Impedance(1kHz)	less than 45mΩ

No.	Description of Change	Remark
①		
②		
③		



<b>SAEHAN</b> SAEHAN ENERTECH INC.			
Dwg. Name	SPB 496395 Cell	Dwg. Date	2006.06.05
Dwg. No.	1-496395-0001	Rev. Date	2006.06.05
Rev. No.	0 ① 2 3 4 5	Scale	1 : 1
Item	Drawing	Check	Approval
Sign.	T. Y. PARK	J. K. JEONG	Y. J. KIM