

**SPB465060 (Rechargeable Li-ion Polymer Battery )**

Date

2006.06.05

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

## **SPECIFICATION OF PRODUCT**

**Rechargeable Li-ion Polymer Battery**  
**Model : SPB465060 (1400mAh)**

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

710-3, Yongtan-Dong , Chung-Ju , Chung-buk , Korea  
TEL: 82-43-850-1951 FAX: 82-43-850-1999  
[www.saehan-enertech.com](http://www.saehan-enertech.com)

## 1. Nominal Specifications

	Item	Specification
1	Battery Type	Rechargeable Li-ion Polymer Battery
2	Model	SPB465060
3	Nominal Capacity	1400mAh (0.2C Discharge)
4	Nominal Voltage	3.7V
5	Energy Density	Volume 375 Wh/L
		Weight 185 Wh/kg
6	Charging Mode	CC-CV (constant voltage with limited current)
7	Charging Current	Standard : 700mA (0.5C) Rapid : 1400mA (1.0C)
8	Charging Voltage	4.2V
9	Max. Charge Current	1400 mA
10	Max. Discharge Current	2800 mA (2.0C)
11	Cell Dimension (mm)	Thickness : Max. 4.6 mm . (fully charged cell) Width : 50 +0.0/-2.0 mm Height : 60 +2.0/-0.0 mm
12	Cell Weight	28.0g or less
13	AC Impedance (at 1kHz)	50mΩ 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)

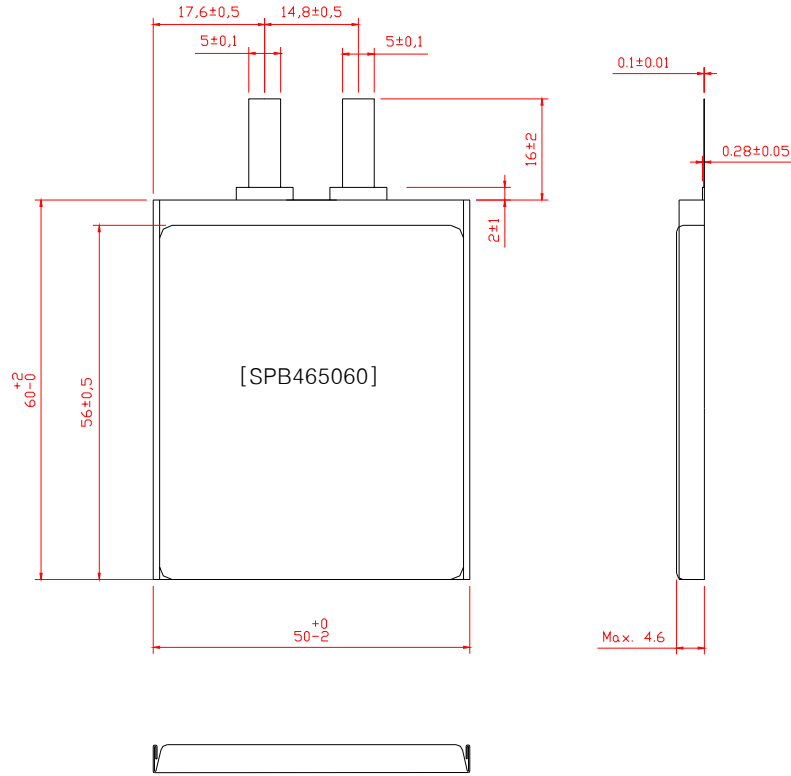
**2. Out View drawing for SPB465060**

This drawing is property of Saehan Enertech Inc.. Use or copy of this drawing without proper permission from the appropriate technical-document managing department is prohibited.

No.	Description of Change	Remark
▲		
▲		
▲		

1. Spec.

Nominal Capacity	1400mAh	
Nominal Voltage	3.7V	
Weight	28.0g or less	
Energy	Volume	375Wh/l
Density	Weight	185Wh/kg
AC Impedance(1kHz)	less than 50mΩ	



<b>SAEHAN ENERTECH INC.</b>			
Dwg. Name	SPB 465060 Cell	Dwg. Date	2006.06.05
		Rev. Date	2006.06.05
Dwg. No.	1-465060-0001	Scale	1 : 1
Rev. No.	0 ① 2 3 4 5	Unit	mm
Item	Drawing	Check	Approval
Sign.	T.Y. PARK	J.K. JEONG	Y. J. KIM