

SPB584852A2 (Rechargeable Li-ion Polymer Battery)

Date

2006.06.05

To : _____

SPECIFICATION OF PRODUCT

Rechargeable Li-ion Polymer Battery
Model : SPB584852A2 (1500mAh)

SAEHAN-ENERTECH. INC.

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1. Nominal Specifications

	Item	Specification
1	Battery Type	Rechargeable Li-ion Polymer Battery
2	Model	SPB584852A2
3	Nominal Capacity	1500mAh (0.2C Discharge)
4	Nominal Voltage	3.7V
5	Energy Density	Volume 383 Wh/L
		Weight 198 Wh/kg
7	Charging Mode	CC-CV (constant voltage with limited current)
8	Charging Current	Standard : 750mA (0.5C) Rapid : 1500mA (1.0C)
9	Charging Voltage	4.2V
10	Max. Charge Current	1500 mA
11	Discharge Current (Usage)	3.0 A (2C)
12	Cell Dimension (mm)	Thickness : Max. 5.8 mm . (fully charged cell) Width : 47 +1.0/-1.0 mm Height : 51 +1.0/-1.0 mm
13	Cell Weight	28.0g or less
14	AC Impedance (at 1kHz)	50mΩ or less
15	Operating Temperature	Charge : 0 to 45℃ Discharge: -20 to 60℃
13	Storage Temperature	-10 ~ 40℃ (Within 6 months)
14	Overcharge Test	NE, NF (1A, 5V)
15	External Short-circuit Test	NE, NF (4.2V, 100mΩ)
16	Heating Test	NE, NF (130℃ , 60min)
17	Crush	NE, NF (13kN force)

2. Out View drawing for SPB584852A2

