

SPB473352A2 (Rechargeable Li-ion Polymer Battery)

Date

2006.06.05

To : _____

SPECIFICATION OF PRODUCT

Rechargeable Li-ion Polymer Battery
Model : SPB473352A2 (800mAh)

SAEHAN-ENERTECH. INC.

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1. Nominal Specifications

	Item	Specification
1	Battery Type	Rechargeable Li-ion Polymer Battery
2	Model	SPB473352A2
3	Nominal Capacity	800mAh (0.2C Discharge)
4	Nominal Voltage	3.7V
5	Energy Density	Volume 367 Wh/L
		Weight 190 Wh/kg
7	Charging Mode	CC-CV (constant voltage with limited current)
8	Charging Current	Standard : 400mA (0.5C) Rapid : 800mA (1.0C)
9	Charging Voltage	4.2V
10	Max. Charge Current	800 mA
11	Discharge Current (Usage)	1.6 A (2C)
12	Cell Dimension (mm)	Thickness : 4.6 ± 0.1 mm . (fully charged cell) Width : $32 +1.0/-1.0$ mm Height : $51 +1.0/-1.0$ mm
13	Cell Weight	15.5g or less
14	AC Impedance (at 1kHz)	70m Ω or less
15	Operating Temperature	Charge : 0 to 45 $^{\circ}$ C Discharge: -20 to 60 $^{\circ}$ C
13	Storage Temperature	-10 ~ 40 $^{\circ}$ C (Within 6 months)
14	Overcharge Test	NE, NF (1A, 5V)
15	External Short-circuit Test	NE, NF (4.2V, 100m Ω)
16	Heating Test	NE, NF (150 $^{\circ}$ C, 10min)
17	Crush	NE, NF (13kN force)

2. Out View drawing for SPB473352A2

