

SPECIFICATION OF PRODUCT

Rechargeable Li-ion Polymer Battery

Model : SPB553450H1(900mAh)

SAEHAN-ENERTECH. INC.

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Issued	Checked	Approved

1. Nominal Specifications

	Item		Specification
1	Battery Type		Rechargeable Li-ion Polymer Battery
2	Model		SPB553450H1
3	Nominal Capacity		900mAh (0.2C discharge)
4	Nominal Voltage		3.7V
5	Energy Density	Volume	356 Wh/L
		Weight	185 Wh/kg
6	Charging Mode		CC-CV (constant voltage with limited current)
7	Charging Current		Standard : 450mA (0.5C) Rapid : 900mA (1.0C)
8	Charging Voltage		4.2V
9	Max. Charge Current		900 mA
10	Max. Discharge Current		13.50 A (15C)
11	Cell Dimension (mm)		Thickness : 5.4±0.3 mm (fully charged cell) Width : 34 +1.0/-2.0 mm Height : 50 +2.0/-1.0 mm
12	Cell Weight		18.0g or less
13	AC Impedance (at 1kHz)		80mΩ 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 SPB553450H1

