

**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	<b>10.8 A (12C)</b>
11	Cell Dimension (mm)	Thickness : 5.4 +/- 0.1 mm (fully charged cell) Width : 33 +/- 1 mm Height : 49.5 +/- 1 mm
12	Cell Weight	less than 18.0 g
13	AC Impedance (at 1kHz)	80 mOhm or less
14	Operating Temperature	Charge : 0 to 45 C Discharge: -20 to 60 C
15	Storage Temperature	-10 ~ 40 C Within 6 months)
16	Overcharge Test	NE, NF (2C, 6V)
17	External Short-circuit Test	NE, NF (4.2V, 100mOhm )
18	Heating Test	NE, NF (150 C, 10min)
19	Crush	NE, NF (13kN force)

**2. Out View drawing for SPB553450H1**

