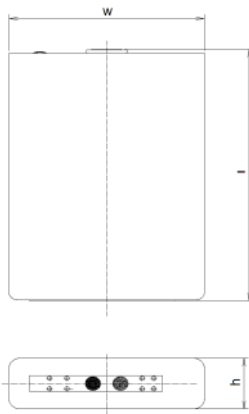


Data Sheet ¹⁾

Type Designation	LIP 553450 WC
Type Number	56441
System	Li-Ion
UL Recognition	UL1642
Nominal Voltage	3.7 V
Nominal Capacity, C	1130 mAh (at 0.2 C and 20 °C)
Minimum Capacity	1100 mAh (at 0.2 C and 20 °C)



Dimensions	
Length (l)	50.0 mm Max.
Width (w)	34.0 mm Max.
Height (h)	5.5 mm Max. (fully charged)
Weight, approx.	23.0 g
Charging Method	Constant Current + Constant Voltage
Charge Voltage	4.20 V (+/- 50 mV)
Initial Charge Current	Standard Charge: 565 mA Rapid Charge: 1130 mA
Charging Cut-Off ((a) or b)	
a) by time	Standard Charge: 3 h Rapid Charge: 2.5 h
b) by min. current	0.05 C
Discharge Cut-Off voltage	2.75 V
Max. Continuous Discharge Current	2260 mA
Operating Temperature	Charge: 0 °C to 45 °C Discharge: -20 °C to 60 °C
Storage Temperature	1 Year at -20 °C to 25 °C > 80%
Capacity Recovery Rate ²⁾	3 Month at -20 °C to 45 °C > 80%
	1 Month at -20 °C to 45 °C > 85%
Impedance Initial	≤ 60 mΩ @ 1 kHz at 4.2 V
Life Expectancy ³⁾	100 Cycles for ≥ 990mAh 300 Cycles for ≥ 930mAh 500 Cycles for ≥ 880mAh

- 1) Prior to use read Handling Precaution and Prohibitions for VARTA Li-ion Batteries.
- 2) After storage at initial 50 % ~ 60 % status of charge; capacity 0.2 C measured at 25 °C.
- 3) Cell is to be charged at 1.0 C to 4.2 V with cutoff at 0.05 C and discharged at 1.0 C with cutoff at 3.2 V, at 25 °C