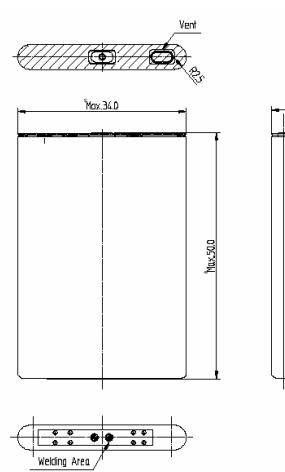


Data Sheet ¹

	Type Designation	LIP 553450UC
	Type Number	56421
	System	Li-Ion
	UL Recognition	UL 1642
	Nominal Voltage [V]	3.7 (average)
	Minimum Capacity [mAh]	1000 (at C/5 from 4.2 V to 2.75 V at 20 °C)
	Typical Capacity C [mAh]	1050 (at C/5 from 4.2 V to 2.75 V at 20 °C)
	Dimensions [mm]	
	Width (d)	34.0 Max.
	Thickness (th)	5.5 Max. (Initial fully charged cell)
	Height (h)	50.0 Max.
	Weight, approx. [g]	21
	Charging Method	Constant Current + Constant Voltage
	Charge Voltage [V]	4.20 (+/- 50 mV)
	Initial Charge Current [mA]	Standard Charge: 500 Rapid Charge: 1000
	Charging Cut-Off (a) or b))	
	a) by time [h]	Standard Charge: 3 Rapid Charge: 2.5
	b) by min. current [mA]	C/50
	Discharge Cut-Off voltage [V]	2.75
	Max. Continuous Discharge Current [mA]	2000
	Operating Temperature [°C]	Charge: 0 to 45 Discharge: -20 to 60
	Storage Temperature	1 Year at -20 to 20 °C >80
	Capacity Recovery Rate ³⁾ [%]	3 Month at -20 to 45 °C >80 1 Month at -20 to 60 °C >80
	Impedance Initial [mΩ]	< 55 @ 1kHz
	Life Expectancy 20 °C [Cycles]	500 cycles 1C/1C >70 % of rated discharge capacity

³⁾ After storage at initial cell voltage of 3.7 to 3.9 V/cell; capacity C/5 measured at 20 °C.

¹ Prior to use read Handling Precaution and Prohibitions for VARTA Li-Ion Batteries

Subject to change without prior notice !