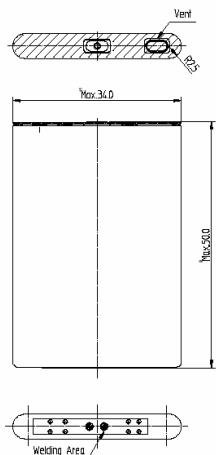


**Data Sheet<sup>1</sup>**


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 <sup>3)</sup> [%]	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	

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

<sup>1</sup> Prior to use read Handling Precaution and Prohibitions for VARTA Li-Ion Batteries

Subject to change without prior notice !