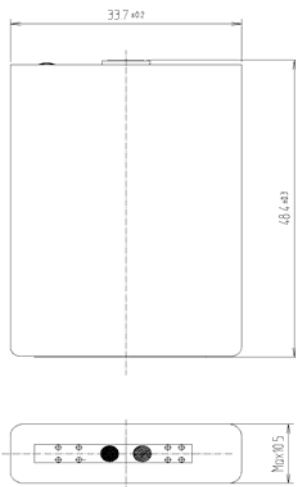


## Preliminary Data Sheet <sup>1</sup>

Type Designation	LIP 103450 SC
Type Number	56429
System	Li-Ion
UL Recognition	UL1642
Nominal Voltage [V]	3.7
Nominal Energy [Wh]	7.5
Minimum Capacity [mAh]	2000 (at C/5 from 4.2 V to 2.75V at 20°C)
Typical Capacity C [mAh]	2030 (at C/5 from 4.2 V to 2.75V at 20°C)



Dimensions [mm]	
Width (d)	33.9 Max.
Thickness (th)	10.5 Max. (delivery status)
Height (h)	48.7 Max.
Weight, approx. [g]	42
Charging Method	Constant Current + Constant Voltage
Charge Voltage [V]	4.20 (+/- 50 mV)
Initial Charge Current [mA]	Standard Charge: 1000 Rapid Charge: 1700
Charging Cut-Off ( a) or b))	
a) by time [h]	Standard Charge: 3 Rapid Charge: 2.5
b) by min. current [mA]	100
Discharge Cut-Off voltage [V]	2.75
Max. Charge Current [mA]	1700
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>2)</sup> [%]	3 Month at -20 to 45°C >80 1 Month at -20 to 60°C >80
Impedance Initial [mΩ]	< 60 @ 1kHz
Life Expectancy 20°C [0.5C/0.5C Cycles]	300 cycles >80 % of min. capacity 500 cycles >70 % of min. capacity

<sup>2)</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 !