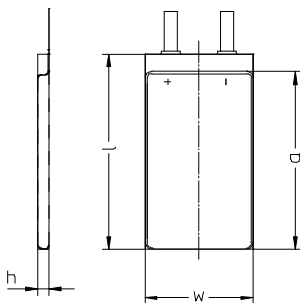


**Preliminary Data Sheet<sup>1</sup>**

Type Designation	PLF 523450 C
Type Number	66280
Cell Code	PLF523450.04
System	Lithiumcobaltoxide-Graphite / Polymer Lithium Electrolyte
UL Recognition	Pending
Nominal Voltage [V]	3.7 (average)
Typical Capacity [mAh]	950 (at C/5 from 4.2 V to 3.0 V at 20 °C)
Minimum Capacity C [mAh]	920 (at C/5 from 4.2 V to 3.0 V at 20 °C)
Dimensions [mm]	
Length (l)	49.2 + 0.2/- 0.3
Width (w)	34 - 0.5
Height (h)	5.1 + 0.2
Pouch (a)	44.2 + 0.5
Weight, approx. [g]	16 g
Charging Method	Constant Current + Constant Voltage
Charge Voltage [V]	4.20 (+/- 50 mV)
Initial Charge Current [mA]	Standard Charge : C/2 Rapid Charge : 1C
Charging Cut-Off ( a ) or b))	
a) by time [h]	Standard Charge: 5 Rapid Charge: 3
b) by min. current [mA]	C/50
Discharge Cut-Off Voltage [V]	3.0
Max. Pulse Discharge Current [mA]	3C @ 2s
Max. Continuous Discharge Current [mA]	2C
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]	< 80 @1kHz
Life Expectancy 1C/1C, 20 °C [Cycles]	> 500 (>70 % of Cmin)

<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 PoLiFlex® Batteries