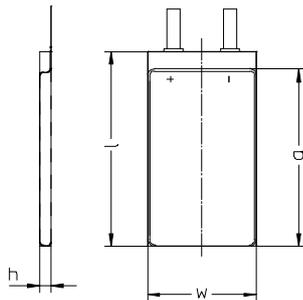


Data Sheet ¹



Type Designation	PLF 443441 C
Type Number	66591
Designation	PLF443441.04
System	Lithiumcobaltoxide-Graphite / Polymer Lithium Electrolyte
UL Recognition	MH13654
Nominal Voltage [V]	3.7 (average)
Typical Capacity [mAh]	610 (at C/5 from 4.2 V to 3.0 V at 20°C)
Minimum Capacity C [mAh]	580 (at C/5 from 4.2 V to 3.0 V at 20°C)
Dimensions [mm]	
Length (l)	41 + 0.2/- 0.3
Width (w)	33.8 - 0.5
Height (h)	4.4 + 0.2/- 0.1
Pouch (a)	36.5 + 0.5
Weight, approx. [g]	12.5
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 ²⁾ [%]	3 Month at -20 to 45°C >80 1 Month at -20 to 60°C >80
Impedance Initial [mΩ]	< 70 @ 1kHz
Life Expectancy 1C/1C, 20°C [Cycles]	> 500 (>70 % of Cmin)

²⁾ 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 PoLiFlex® Batteries

Subject to change without prior notice !