



Rechargeable Lithium-Ion Pouch

Preliminary Data Sheet 1)

Type Designation LPP 503562 DL

Type Number 56422

System Li-lon

UL Recognition UL1642

Nominal Voltage 3.7V Nominal Capacity, C 1300mAh

Minimum Capacity 1250mAh (at 0.2C and 20 °C)

Dimensions

Length (I) 62.5mm Max. (without tabs)

Width (w) 35.5mm Max.

Height (h) 5.2mm Max. (full charge)

Weight, approx. 21.0g

Charging Method Constant Current + Constant Voltage

Charge Voltage 4.20V (+/- 50 mV)
Initial Charge Current Standard Charge: 625mA
Rapid Charge: 1250mA

Rapid Charge: 1: Charging Cut-Off (a) or b))

a) by time Standard Charge: 5h Rapid Charge: 2.5h

b) by min. current 0.02C

Discharge Cut-Off voltage 3.0 V

Max. Continuous Discharge Current 2500mA

Operating Temperature Charge: 0 °C to 45 °C

Discharge: -20 °C to 60 °C

Storage Temperature 1 Year at -20 $^{\circ}$ C to 35 $^{\circ}$ C >80% Capacity Recovery Rate 2) 3 Month at -20 $^{\circ}$ C to 45 $^{\circ}$ C >80%

1 Month at -20 °C to 60 °C >80%

Impedance Initial <60m Ω @ 1kHz at 4.2V

Life Expectancy ³⁾ 300 Cycles for ≥80% of C

500 Cycles for ≥70% of C

Prior to use read Handling Precaution and Prohibitions for VARTA Li-ion Batteries.

After storage at initial cell voltage of 3.6 to 3.9 V/cell; capacity 0.2C measured at 20 °C.

³⁾ Cell is to be charged at 0.5C to 4.2V with cutoff at 0.02C and discharged at 0.5C with cutoff at 3.0V, at 20°C