

DYNAMIS

LITHIUM-POLY-LINE

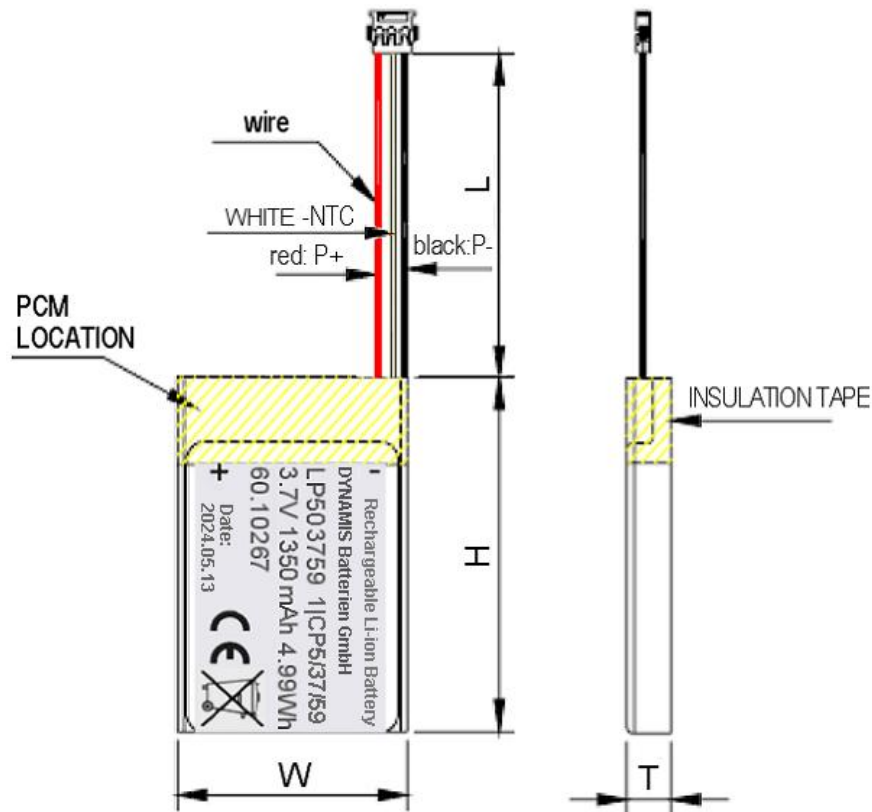
Lithium-Polymer Battery with
LP 503759 1S1P w/ wire and pin

1. Cell Data

Order no. 60.10267

Rating [@ 0.2C = 260 mA]	1350 mAh (typical) 1300 mAh (minimum)
Nominal Voltage	3.7 V
Charging Voltage	4.20 V $\pm$ 0.05 V
Max. Charge Current	1C = 1300 mA
Charging Method	<u>CCCV Standard (0.2C)</u> = 260 mA CC to 4.20 V, then CV 4.2 V for 2.0 h or 26 mA cut-off (max 6.0 h); <u>CCCV Quick (1.0C)</u> = 1300 mA CC to 4.20 V, then CV 4.2 V for 2.0 h or 26 mA cut-off
Max. Continuous Discharge	1C = 1300 mA
Discharge cut-off Voltage	2.9 V
Impedance (AC, 1kHz)	< 150 m Ω (@ 4.2 V , 1 kHz)
Cycle Life	Cycles 0.5C/0.5C, capacity retention $\geq$ 80 % after 300 cycles
Operating Temperatures	-20 °C to +60 °C (discharge) 0 °C to +45 °C (charge) Operation @ 60 $\pm$ 25 % rel. humidity
Typical Storage Condition/Delivery	70 % SOC (charged status) Long Term Storage @ full charge (4.2V) not recommended
Storage Temperatures	< 6 months: -10 °C to +35 °C
Energy Content	4.81 Wh
Connections	Hirose DF13 3S-1.25C Pin1 := black (-) Pin2 := white (NTC 10k Ω 1% B=3435) Pin3 := red (+) Wire length = 70 $\pm$ 5 mm, AWG 28 (UL3302)
Weight ca.	24 g

Dimensions & Tolerances (mm)



Height (H)	max. 62.0 mm
Width (W)	max. 38.0 mm
Wire length (L)	70 ±5 mm
Thickness (T)	max. 5.4 mm
Thickness after cycling	max. 6.0 mm

2. PCM Data

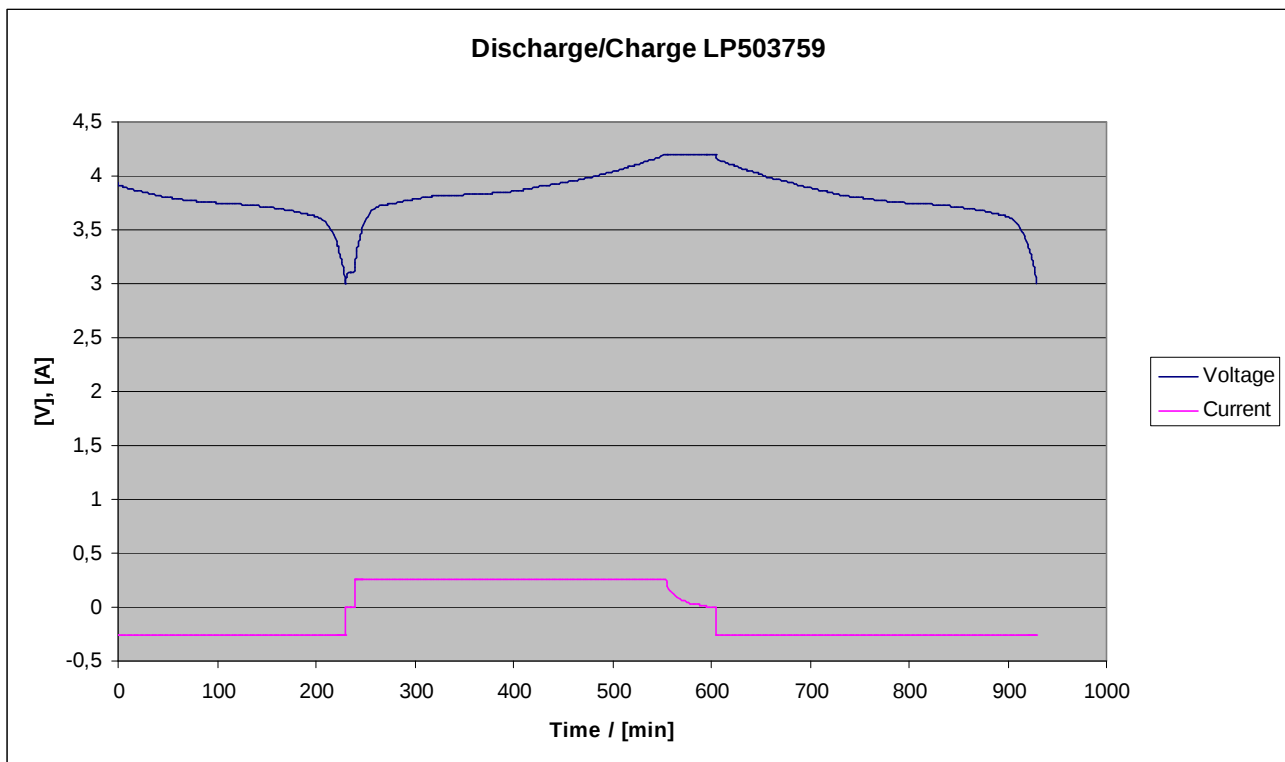
	Min.	Typ.	Max.
Overcharge Detection Voltage [V]	4.225	4.250	4.275
Overdischarge Detection Voltage / [V]	2.45	2.50	2.55
Overdischarge Release Voltage / [V]	2.95	3.00	3.05
Overcurrent Detection [A]	2		6

3. Charge / Discharge behavior

Discharge condition: 260 mA to 3.0 V

Charge condition: 260 mA to 4.2 V plus 4.2 V to 13 mA stop current

Result: Second discharge = 1401 mAh total capacity



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