

Lithium Polymer Battery LP543945 1S1P

Incl. PCM (max. discharge current 1C) and NTC 10 kOhm
with wire 50 mm AWG 24 red / white / black and connector Molex 5040510301

Electrical characteristics

Order no. 60.10375

Nominal voltage	3.85 V	
Typical capacity	1'110 mAh	(0.2C / 3.0 V at 20°C)
Minimum capacity	1'060 mAh	(0.2C / 3.0 V at 20°C)
Impedance initial	≤150 mΩ	
Max. cont. charge	1'110 mA	Cut-off Current 0.02C
Max. charge voltage	4.4 V	
Max. cont. discharge	1'110 mA	
Discharge Cut off	3.0 V	
Life expectancy	≥500 >80 % of initial capacity	0.5C charge / 0.5C Discharge (20°C)
Operating temperature range		
charge	10°C ~ +45°C	10°C ~ 15°C max. 0.2C 15°C ~ +45°C max. 1C
discharge	-20°C ~ +60°C	
Storage temperature	0°C ~ +25°C	

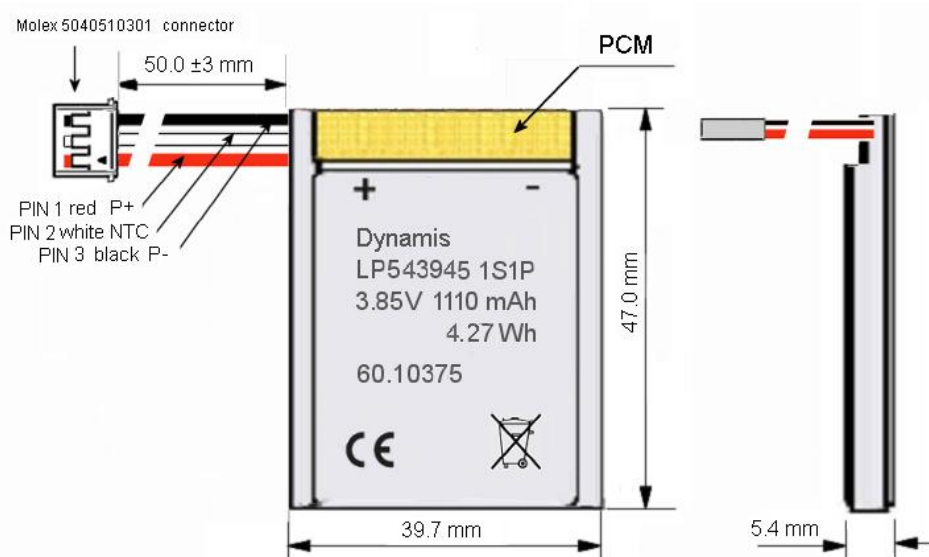
PCM data

Overcharge protection	Overcharge detection voltage	4.475 V ±0.02 V
	delay time	1.2 mS
	Overcharge release voltage	4.275 V ±0.03 V
Overdischarge protection	Overdischarge detection voltage	2.800 V ±0.05 V
	delay time	172.8 mS
	Overdischarge release voltage	3.0 V ±0.05 V
Overcurrent protection	Overcurrent detection current	4 ~ 10 A
	delay time	9.6 ~ 14.4 mS
	Release condition	Cut load
Short protection	Detection condition	Exterior Short circuit
	delay time	200 ~ 500 uS
	Release condition	Cut short circuit
Continue current	Continuous output discharge current	≤2 A
Interior resistance	Main loop electrify resistance	(VC = 3.8 V) R _{DS} ≤60 mΩ
Current consumption	Normal mode	≤6 0 μA

Cell dimensions

Length	max. 47.0 mm	
Width	max. 39.7 mm	
Thickness	max. 5.4 mm	
Weight	17.8 ±2 g	

Drawing:



Delivery Status

Battery Voltage	3.7 – 3.9 V
Battery Capacity	tbd

Warning

- n** Batteries may explode or cause burns, if disassembled, crushed or exposed to fire or high temperatures.
- n** Do not short or install with incorrect polarity.
- n** Replace battery with DYNAMIS Batterien – 60.16728 only. Use of another battery may present a risk of fire or explosion.
- n** Caution – The battery used in this device may present a risk of fire or chemical burn if mistreated. Do not disassemble, heat above 100°C, or incinerate.
- n** Dispose of used battery promptly. Keep away from children. Do not disassemble and do not dispose of in fire.
- n** Do not exceed the maximum charging voltages, currents and temperatures listed above.

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