

Lithium Polymer Battery LP623248 1S1P

Incl. PCM (max. discharge current 1C) and NTC 10 kOhm
with wire 50 mm AWG 28 white / red / black and connector Molex 51021-0300

Electrical characteristics

Order no. 60.10377

Nominal voltage	3.7 V	
Typical capacity	1'110 mAh	(0.2C / 3.0 V at 20°C)
Minimum capacity	1'050 mAh	(0.2C / 3.0 V at 20°C)
Impedance initial	≤140 mΩ	
Max. cont. charge	1'110 mA	
Max. charge voltage	4.2 V	
Max. cont. discharge	1'110 mA	
Discharge Cut off	3.0 V	
Life expectancy	≥300 >80 % of initial capacity	0.5C charge / 0.5C Discharge (20°C)
Operating temperature range		
charge	10°C ~ +45°C	10°C ~ 18°C max. 0.5C 18°C ~ +45°C max. 1C
discharge	-20°C ~ +60°C	
Storage temperature	10°C ~ +25°C	

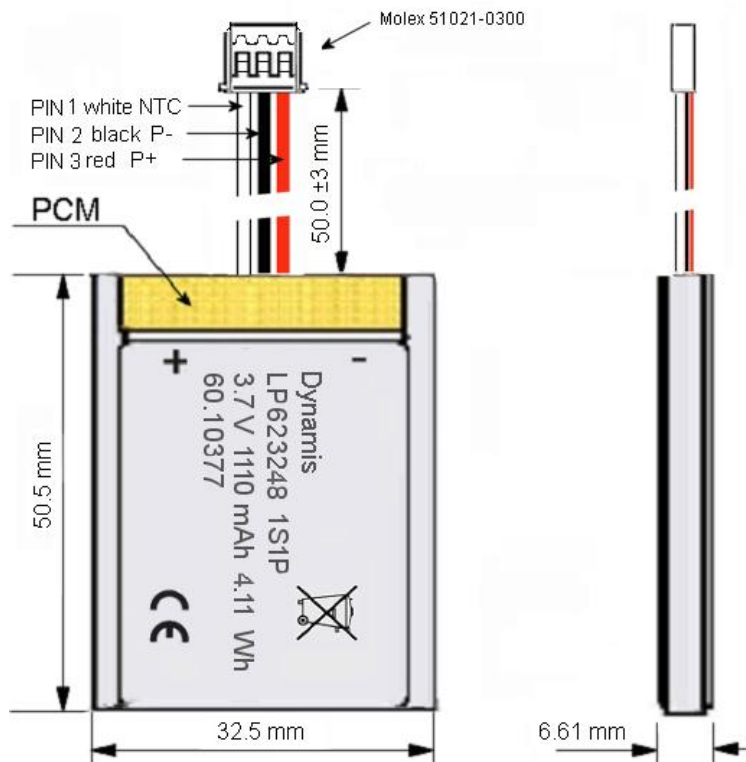
PCM data

Overcharge protection	Overcharge detection voltage	4.28 V ±0.02 V
	delay time	0.8 ~ 1.2 mS
	Overcharge release voltage	4.08 V ±0.03 V
Overdischarge protection	Overdischarge detection voltage	2.800 V ±0.05 V
	delay time	72 mS
	Overdischarge release voltage	3.0 V ±0.05 V
Overcurrent protection	Overcurrent detection current	2 ~ 5 A
	delay time	15 mS
	Release condition	Cut load
Short protection	Detection condition	Exterior Short circuit
	delay time	200 ~ 600 uS
	Release condition	Cut short circuit
Continue current	Continuous output discharge current	≤1.2 A
Interior resistance	Main loop electrify resistance	B-CH R _{DS} ≤85 mΩ
Current consumption	Normal mode	≤6 0 μA
NTC	Resistance (Temperature 23 ±5 °C)	10K/ ±1 % / B = 3435

Cell dimensions

Length	max. 50.5 mm	
Width	max. 32.6 mm	
Thickness	max. 6.61 mm	After cycling
Weight	18.8 ±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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