

Lithium Polymer Battery LP482122 1S1P

Incl. PCB standard (max. discharge current 10C)

in shrink sleeve and wire 20 mm red / black with connector Molex 51021-0200

Electrical characteristics

Order no. 60.10380

Nominal voltage	3.7 V	
Typical capacity	180 mAh	(0.2C / 3.0 V at 20°C)
Minimum capacity	171 mAh	(0.2C / 3.0 V at 20°C)
Impedance initial	≤200 mΩ	
Max. cont. charge	180 mA	
Max. charge voltage	4.2 V	
Max. cont. discharge	1.5 A	
Pulse Discharge current	1.5 A for 40 S	
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 ~ +18°C max. 0.5C 18°C ~ +45°C max. 1.0C
discharge	-20°C ~ +60°C	
Storage temperature	0°C ~ +25°C	

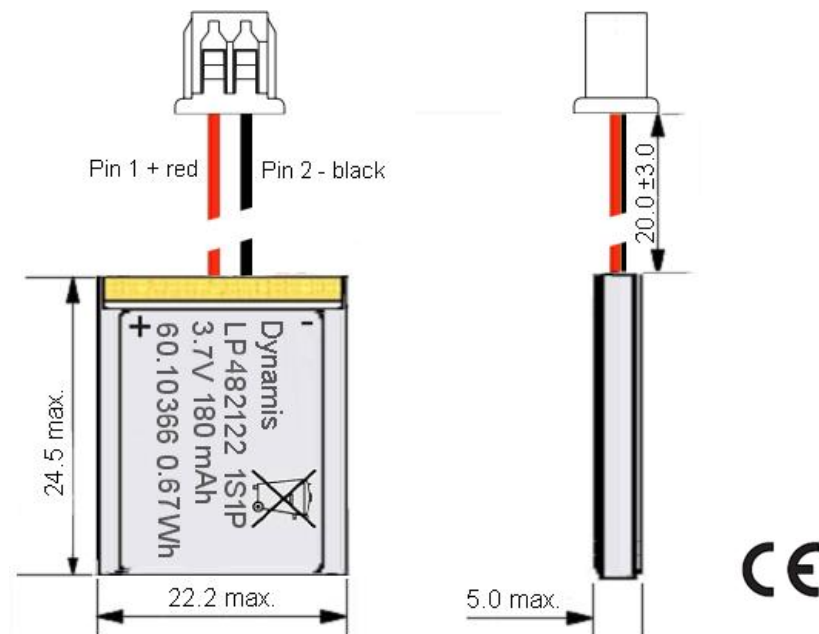
PCM data

Overcharge protection	Overcharge detection voltage	4.28 V ±0.025 V (Delay time 1.5 S)
	Overcharge release voltage	4.13 V ±0.05 V
Overdischarge protection	Overdischarge detection voltage	2.8 V ±0.05 V (Delay time 180 mS)
	Overdischarge release voltage	3.1 V ±0.1 V
Overcurrent protection	Overcharge detection current	2.5 – 5 A (Delay time 7.2 – 11 mS)
	Overdischarge detection current	3 – 8 A (Delay time 7.2 – 11 mS)
	Release condition	Cut load
Short protection	Detection condition	Exterior short circuit (Delay time 240 – 360 uS)
	Release condition	Cut short circuit
Continue current	Continuous output discharging current	≤1.5 A
Interior resistance	Main loop electrify resistance (VC = 3.8 V)	≤80 mΩ
Current consumption	Normal mode	≤6.0 μA
The 0 V battery charging function	available / unavailable	available

Physical characteristics

Length	max. 24.5 mm	
Width	max. 22.2 mm	
Thickness	max. 5.0 mm	after cycling +8 %
Weight	4.2 ±0.8 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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