

Lithium Polymer Battery L501622 1S1P

Incl. PCB (max. discharge current 1C) in shrink sleeve and wire 20 mm AWG30 red / black and connector JST SUHR-02V-S

Electrical characteristics

Order no. 60.10369

Nominal voltage	3.7 V	
Typical capacity	140 mAh	(0.2C / 3.0 V at 20°C)
Minimum capacity	133 mAh	(0.2C / 3.0 V at 20°C)
Impedance initial	≤300 mΩ	
Max. cont. charge	140 mA	
Max. charge voltage	4.2 V	
Max. cont. discharge	140 mA	
Discharge Cut off	3.0 V	
Life expectancy	500 >80 % of initial capacity	0.5C / 0.5C (20°C cycles)
Operating temperature range		
charge	0°C ~ +45°C	
discharge	-10°C ~ +60°C	
Storage temperature	0°C ~ +25°C	

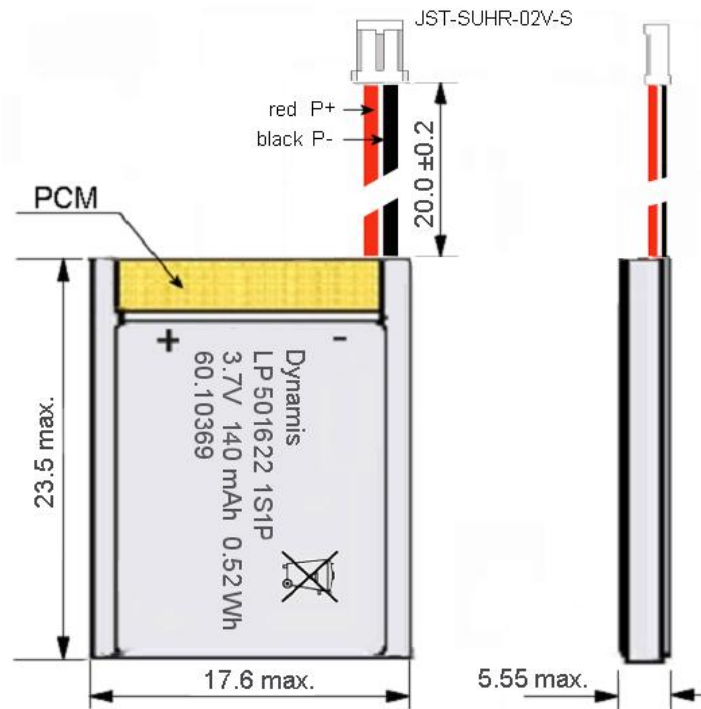
PCM data

Overcharge protection	Overcharge detection voltage	4.275 V ±0.025 V
	delay time	1.8 s
	Overcharge release voltage	4.75 V ±0.05 V
Overdischarge protection	Overdischarge detection voltage	2.800 V ±0.075 V
	delay time	108 mS
	Overdischarge release voltage	2.9 V ±0.1 V
Overcurrent protection	Overcurrent detection current	0.44 ~ 1.45 A
	delay time	5 ~ 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 discharging current	≤0.2 A
Interior resistance	Main loop electrify resistance (VC=3.8V)	B-CH-R _{DS} ≤100 mΩ
Current consumption	Normal mode	≤3.5 μA

Physical characteristics

Length	max. 17.6 mm	
Width	max. 23.5 mm	
Thickness	max. 5.55 mm	after cycling
Weight	2.8 ±0.7 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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