

Lithium Polymer Battery LP602935 1S1P

Incl. PCB (max. discharge current 2C) in shrink sleeve and wire 50 mm red / black and connector Molex 78172-0002

Electrical characteristics

Order no. 60.10363

Nominal voltage	3.7 V	
Typical capacity	670 mAh	(0.2C / 3.0 V at 20°C)
Minimum capacity	640 mAh	(0.2C / 3.0 V at 20°C)
Impedance initial	≤180 mΩ	
Max. cont. charge	670 mA	
Max. charge voltage	4.2 V	
Max. cont. discharge	1.340 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	10°C ~ +50°C	0°C ~ +10°C max. 0.2C +10°C ~ +50°C max. 1C
discharge	-20°C ~ +60°C	
Storage temperature	0°C ~ +25°C	

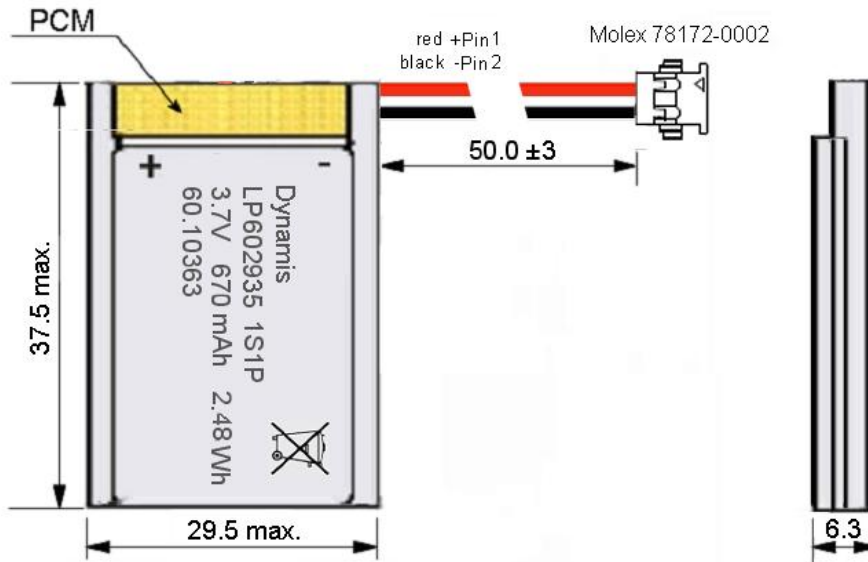
PCM data

Overcharge protection	Overcharge detection voltage	4.28 V ±0.2 V
	delay time	1.2 s
	Overcharge release voltage	4.08 V ±0.03 V
Overdischarge protection	Overdischarge detection voltage	2.8 V ±0.05 V
	delay time	172.8 mS
	Overdischarge release voltage	3.0 V ±0.05 V
Overcurrent protection	Overcurrent protection voltage	2 A
	delay time	9.6 – 14.4 mS
External short circuit detection	delay time	200 - 500 µs
Current consumption		≤6.0 µA

Physical characteristics

Length	max. 37.5 mm	
Width	max. 29.5 mm	
Thickness	max. 6.3 mm	after cycling +8 %
Weight	11 ±1.5 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.

All information (subject to change without notice) contained in this document is for reference only and should not be used as a basis for product guaranty or warranty. For applications other than those described here, please consult your nearest DYNAMIS Sales or Marketing Office or Distributors.