

Lithium Polymer Battery LP602935 1S1P

Incl. PCB (max. discharge current 1C) with NTC, in shrink sleeve and wire 65 mm red / white /black and connector JST SHR-03V-S-B

Electrical characteristics

Order no. 60.10368

Nominal voltage	3.7 V	
Typical capacity	850 mAh	(0.2C / 3.0 V at 20°C)
Minimum capacity	808 mAh	(0.2C / 3.0 V at 20°C)
Impedance initial	≤150 mΩ	
Max. cont. charge	850 mA	
Max. charge voltage	4.2 V	
Max. cont. discharge	850 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	0°C ~ +10°C max. 0.2C 10°C ~ +18°C max. 0.5C 18°C ~ 45°C max. 1C
discharge	-10°C ~ +65°C	
Storage temperature	0°C ~ +25°C	

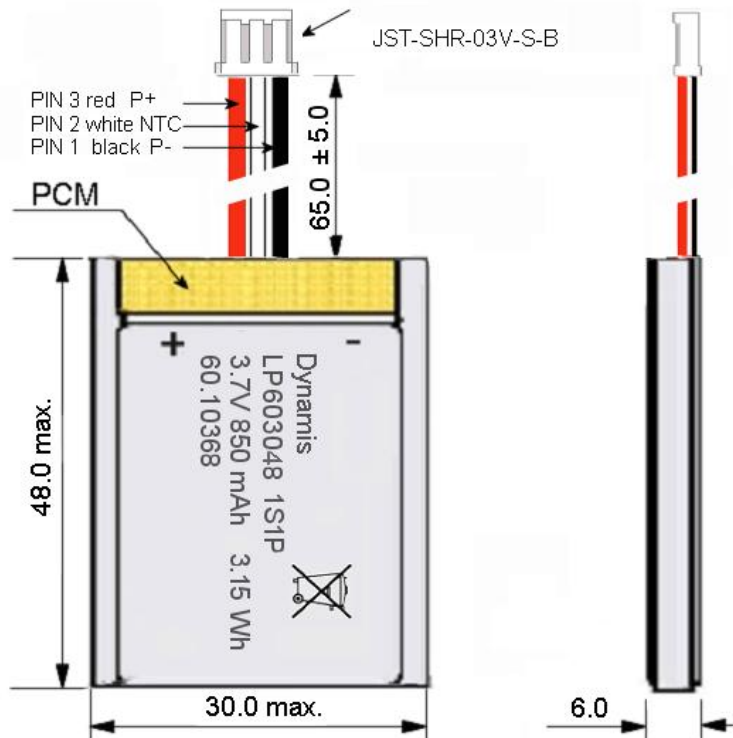
PCM data

Overcharge protection	Overcharge detection voltage	4.28 V ±0.02 V
	delay time	0.8 ~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	72 mS
	Overdischarge release voltage	3.0 V ±0.05 V
Overcurrent protection	Overcurrent detection current	1.3 ~2.5 A
	delay time	15 mS
	Release condition	Cut load
External short circuit detection	Detection condition	Exterior Short circuit delay time 200 ~ 600 us
	Release condition	Cut short circuit
Continue current	Continuous output discharging current	≤1 A
Interior resistance	Main loop electrify resistance (VC=3.8V)	B-CH-R _{DS} ≤85 mΩ
Current consumption	Normal mode	≤6.0 μA
NTC	Resistance (Temperature: 23 ±5°C)	10K/ ±1 % / B=3435

Physical characteristics

Length	max. 48.0 mm	
Width	max. 30 mm	
Thickness	6.0 mm	after cycling +8 %
Weight	14.9 ±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.

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