

Lithium Polymer Battery LP855083 1S1P

Incl. PCB standard (max. discharge current 5C) and NTC 10 kOhm (B=3435)
in shrink sleeve and wire 50 mm AWG 20 red / yellow / black, ends stripped and tinned

Electrical characteristics

Order no. 60.10367

Nominal voltage	3.7 V	
Typical capacity	4'000 mAh	(0.2C / 3.0 V at 20°C)
Minimum capacity	3'822 mAh	(0.2C / 3.0 V at 20°C)
Impedance initial	≤120 mΩ	
Max. cont. charge	4'000 mA	
Max. charge voltage	4.2 V	
Max. cont. discharge	8'000 mA	
Discharge Cut off	3.2 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 ~ 15°C max. 0.2C 15°C ~ +45°C max. 1C
discharge	-20°C ~ +60°C	
Storage temperature	0°C ~ +25°C	

PCM data

Overcharge protection	Overcharge detection voltage	4.25 V ±0.025 V
Overdischarge protection	Overdischarge detection voltage	2.8 V ±0.05 V
Overcurrent protection	Overcurrent detection current	tbd
Max. continue current	Continuous charging current	8 A
Max. discharge current	Continuous output discharge current	8 A
Interior resistance		tbd
NTC and PTC		10 kOhm (B=3435)
Current consumption	Normal mode	tbd

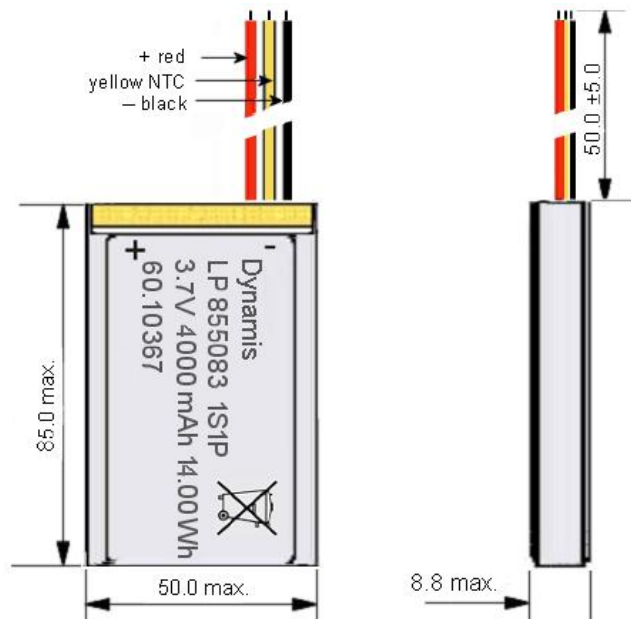
Cell dimensions

Length	max. 81.0 ±1.0 mm	
Width	max. 48.5 ±1.0 mm	
Thickness	max. 8.2 ±1.0 mm	after cycling ≤9.1 mm

Physical characteristics of battery pack

Length	max. 85.0 mm	
Width	max. 50.0 mm	
Thickness	max. 8.8 mm	after cycling max. +8 %
Weight approx..	85 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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