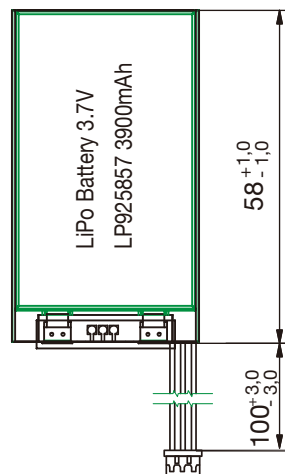
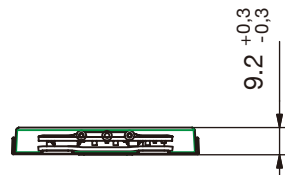
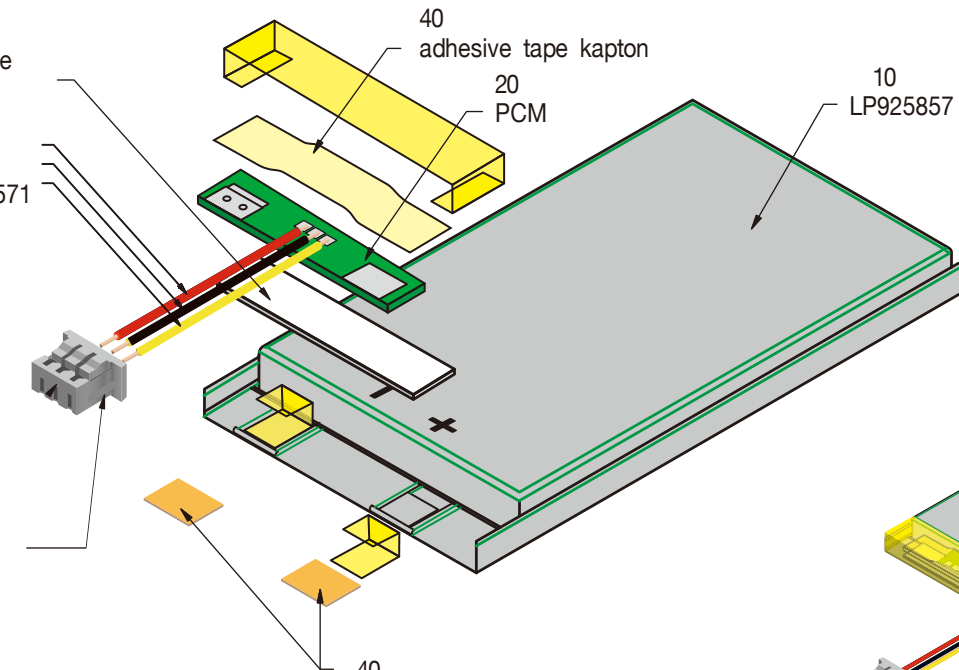


30  
double-sided  
adhesive tape

60  
wires  
24AWG UL1571

50  
connector  
JST PHR-3



40  
adhesive tape  
kapton (2x)

9.2 <sup>+0.3</sup>  
-0.3

58 <sup>+0.5</sup>  
-0.5

58 <sup>+1.0</sup>  
-1.0

100 <sup>+3.0</sup>  
-3.0

## Specification

Lithium Polymer Battery Pack LP925857 3900mAh 3.7V with Protection Circuit Module (PCM)  
This data sheet describes the requirements and properties of lithium polymer rechargeable battery pack manufactured by LiPol Battery Co., Ltd - China

### Mechanical Characteristics

Cell	▶ LP925857
PCM	▶ Yes
NTC	▶ 10KΩ 1% +25C B3435
Configuration	▶ 1S1P
Weight	▶ appr. 78g
Connector	▶ JST PHR-3

### Electrical Specification

Rated Capacity	▶ 3900mAh min, 3920mAh typ.
Nominal Voltage	▶ 3.7V
Wat-Hour Rating	▶ 14.43Wh
Max. Operating Voltage Range	▶ 2.75V to 4.20V
Max. Charge Voltage	▶ 4.20V ±50mV
Max. Charge Current	▶ 1950mA
Standard Charge Current	▶ 780mA
Max. Continuous Discharge Current	▶ 3000mA
Standard Discharge Current	▶ 1950mA
Discharge Cut Off	▶ 2.75V
Internal Impedance	▶ <200mΩ
Expected Cycle Life @ (0.5C/0.5C) @ 23±5°C	▶ 500 cycles ≥ 80%

### Cell Protection

Overcharge Detection	▶ 4.275 ±50mV (0.7 to 1.3sec. delay, release 4.075V ±50mV)
Overdischarge Detection	▶ 2.75V ±50mV (14 to 26msec. delay, resume 3.05V ±50mV)
Overcurrent Detection	▶ 4A to 4.5A (8 to 16msec. delay)

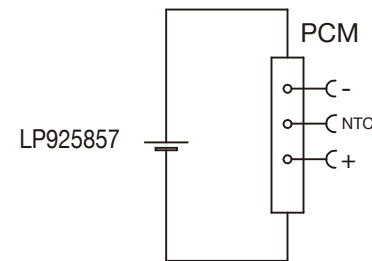
### Ambient Conditions

Charge Temp. Range	▶ +10°C to +45°C
Discharge Temp. Range	▶ -20°C to +60°C
Storage Temp. Range	▶ 1 year at -20°C to +30°C >70%
	▶ 3 moths at -20°C to +45°C >70%
	▶ 1 month at -20°C to +60°C >70%

### Environmental and Safety

Please follow LiPol Handling and Safety Precautions for Lithium Polymer Battery. This battery meets the requirements of Battery Directives, and the battery parts are IEC62133-2-2017 & RoHS-Compliant. For more safety precautions and performance standards, please go to [www.lipolbattery.com/support.html](http://www.lipolbattery.com/support.html)

### Circuit diagram



Mae in mm	Freimtoleranzen	Date	Name
All dimensions in mm	Generaltoleranzen	Erst./ Orig	10.20.2021 Xie Qingfang
Als Betriebsgeheimnis anvertraut, alle Rechte vorbehalten	up to 6	Gepr./Check	10.20.2021 Guo Daxia
	over 6	Benennung/ Designation	
Proprietary data, company confidential, all rights reserved.	over 30	LP925857	
	up to 100	Origin:	
	over 100	support@lipolbattery.com	

**+ LiPol Battery**

Zchg. / Dwg. Nr. **1 FD\_6173\_10** Index

[www.lipolbattery.com](http://www.lipolbattery.com)