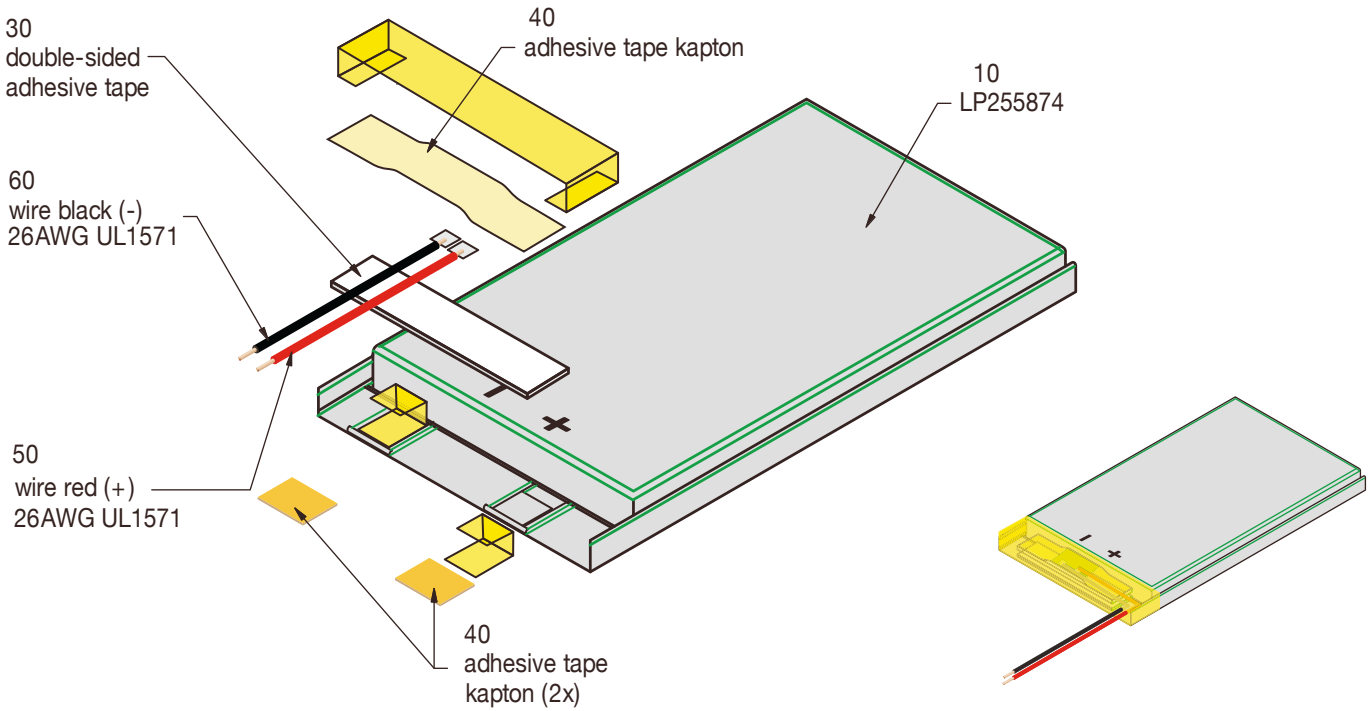
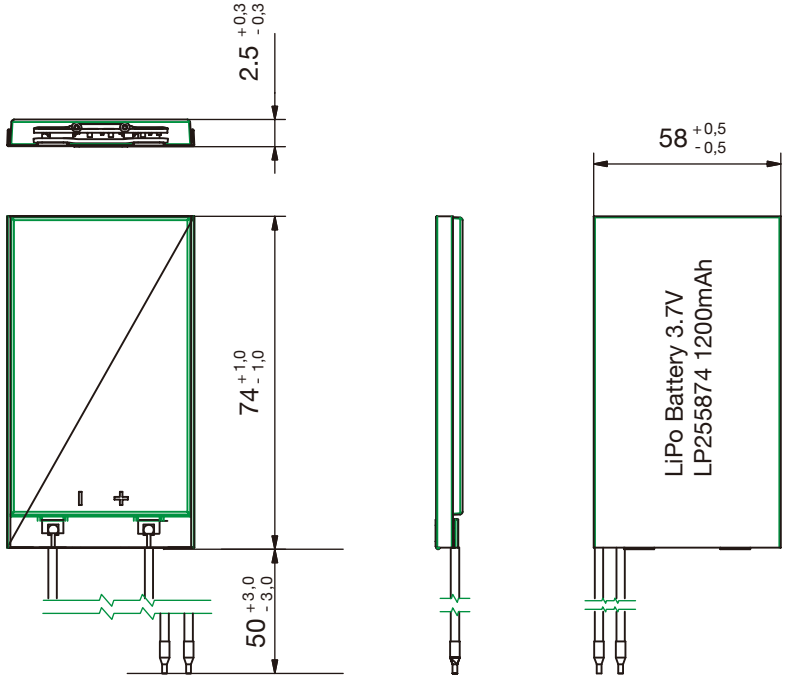
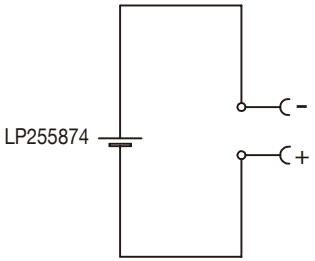




Circuit diagram



Specification

Lithium Polymer Battery LP255874 3.7V 1200mAh without 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	► LP255874
PCM	► No
NTC	► No
Configuration	► 1S1P
Weight	► appr. 24g
Connector	► No

Electrical Specification

Rated Capacity	► 1200mAh min, 1200mAh typ.
Nominal Voltage	► 3.7V
Wat-Hour Rating	► 4.44Wh
Max. Operating Voltage Range	► 2.75V to 4.20V
Max. Charge Voltage	► 4.20V ± 50mV
Max. Charge Current	► 600mA
Standard Charge Current	► 240mA
Max. Discharge Current	► 1200mA
Standard Discharge Current	► 600mA
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	► 2.0A to 2.5A (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 IEC 62133 & RoHS-Compliant. For more safety precautions and performance standards, please go to www.lipolbattery.com/support.html

Mae in mm All dimensions in mm	Freimatoleranzen Generaltolerances			Date	Name
Als Betriebsgeheimnis anvertraut, alle Rechte vorbehalten Proprietary data, company confidential, all rights reserved.	up to 6	` 0,1	Erst. / Orig	11.01.2022	Xie Qingfang
	over 6 up to 30	` 0,2	Gepr./Check	11.01.2022	Guo Daxia
	over 30 up to 100	` 0,3	Benennung/ Designation: LP255874		
	over 100	` 0,5	Origin:		

LiPol Battery

Zchng. / Dwg. Nr.: FD_4022_10 | Index: 1

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