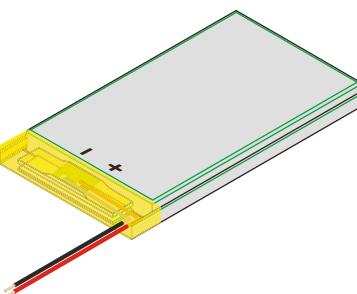
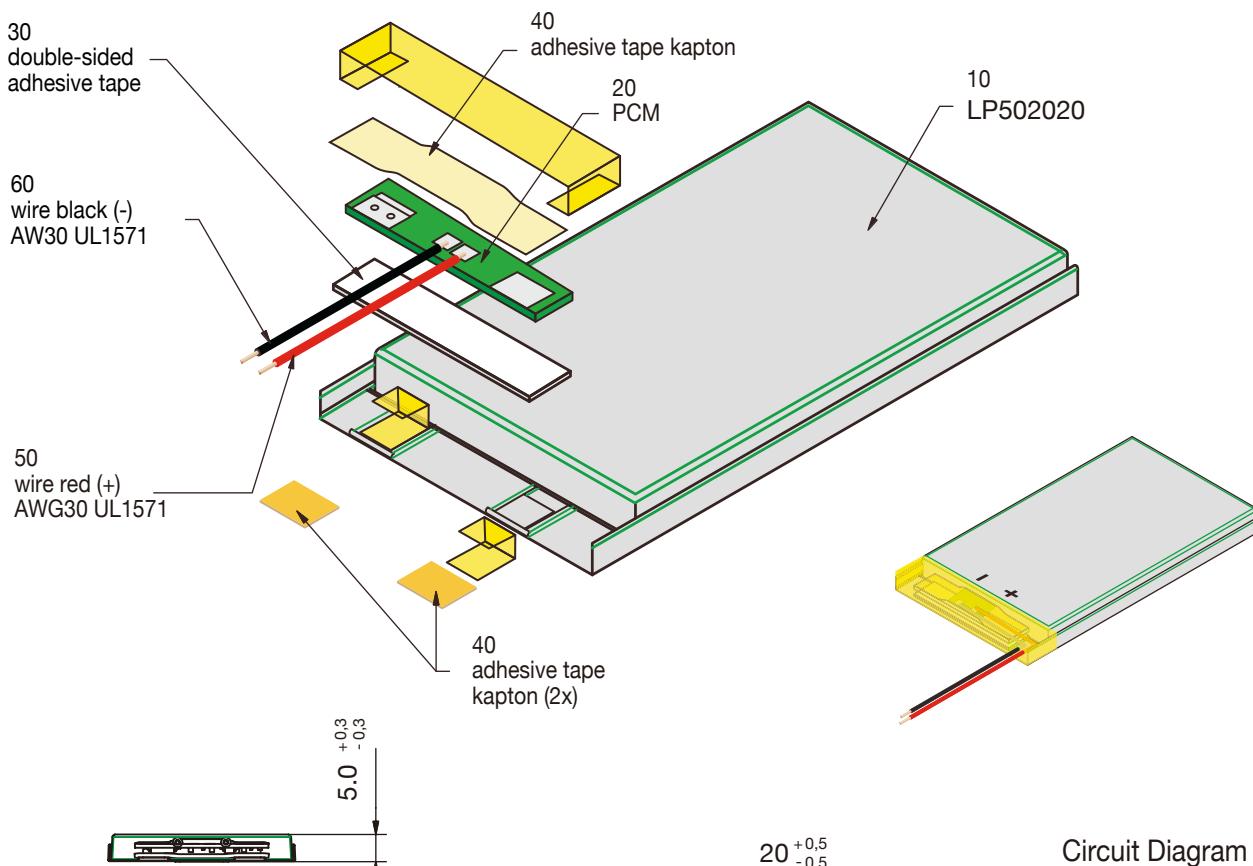


Specification

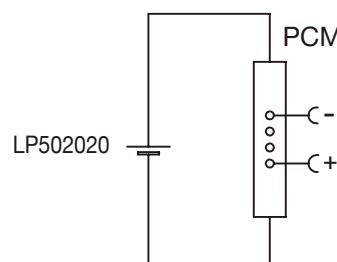
Lithium Polymer Battery Pack LP502020 150mAh 3.7V with Protection Circuit Module (PCM)
This data sheet describes the requirements and properties of lithium polymer rechargeable battery pack manufactured by LiPol Battery Co., Ltd - China

Mechanical Characteristics

- Cell ▶ LP502020
- PCM ▶ Yes
- NTC ▶ No
- Configuration ▶ 1S1P
- Weight ▶ appr. 3g



Circuit Diagram



Electrical Specification

- Rated Capacity ▶ 150mAh min, 155mAh typ.
- Nominal Voltage ▶ 3.7V
- Wat-Hour Rating ▶ 0.555Wh
- Max. Operating Voltage Range ▶ 2.75V to 4.20V
- Max. Charge Voltage ▶ 4.2V ±50mV
- Max. Charge Current ▶ 75mA
- Standard Charge Current ▶ 30mA
- Max. Continuous Discharge Current ▶ 150mA
- Standard Discharge Current ▶ 75mA
- Discharge Cut Off ▶ 2.75V
- Internal Impedance ▶ <200mΩ
- Expected Cycle Life @ (0.5C/0.5C) @ 23±5°C ▶ 500 cycles ≥ 80%

- Overcharge Detection ▶ 4.275 ±50mV (0.7 to 1.3sec. delay, release 4.275V ±50mV)
- Overdischarge Detection ▶ 2.75V ±50mV (14 to 26msec. delay, resume 2.50V ±50mV)
- Overcurrent Detection ▶ 1A to 1.5A (8 to 16msec. delay)

- Charge Temp. Range ▶ 0 to +45°C
- Discharge Temp. Range ▶ -20 to +60°C
- Storage Temp. Range ▶ 1 year at -20 to +30°C >70%
- 3 months at -20 to +45°C >70%
- 1 month at -20 to +60°C >70%
- Humidity ▶ 65 ±20%RH

- 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

Ambient Conditions

- Charge Temp. Range
- Discharge Temp. Range
- Storage Temp. Range

Humidity

LiPol Battery

Maß in mm All dimensions in mm	Freimatingsgrenzen General tolerances		Date	Name	Index
	Erst. / Orig.	Gepr./Check			
Als Betriebsgeheimnis anvertraut, alle Rechte vorbehalten	up to 6	0,1	30.06.2021	Xie Qingfang	
Proprietary data, company confidential, all rights reserved.	over 6 up to 30	0,2	30.06.2021	Guo Daxia	
	over 30 up to 100	0,3	Benennung/ Designation		
	over 100	0,5	LP502020	Zchngr. / Dwg. Nr.	3 FD_2020_50
			Origin:	support@lipolbattery.com	
				www.LipolBattery.com	