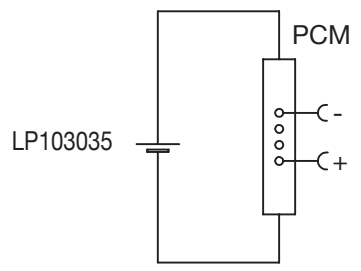


### Circuit diagram



## Specification

Lithium Polymer Battery Pack LP103035 1050mAh 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 ▶ LP103035
- PCM ▶ Yes
- NTC ▶ No
- Configuration ▶ 1S1P
- Weight ▶ appr. 21g
- Connector ▶ JST SYR-02T

### Electrical Specification

- Rated Capacity ▶ 1050mAh min, 1070mAh typ.
- Nominal Voltage ▶ 3.7V
- Wat-Hour Rating ▶ 3.885Wh
- Max. Operating Voltage Range ▶ 2.75V to 4.20V
- Max. Charge Voltage ▶ 4.2V ±50mV
- Max. Charge Current ▶ 525mA
- Discharge Current ▶ 1050mA
- 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 4.275V ±50mV)
- Overdischarge Detection ▶ 2.75V ±50mV (14 to 26msec. delay, resume 2.50V ± 50mV)
- Overcurrent Detection ▶ 2A to 4.5A (8 to 16msec. delay)

### Ambient Conditions

- 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%
- Overcurrent Detection ▶ 3 moths at -20 to +45°C >70%
- Humidity ▶ 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](http://www.lipolbattery.com/support.html)

Mae in mm All dimensions in mm	Freimatoleranzen Generaltolerances	Date	Name	<b>LiPol Battery</b>	
		Erst. / Orig	07.10.2019		Xie Qingfang
Als Betriebsgeheimnis anvertraut, alle Rechte vorbehalten	up to 6	0,1	Gepr./Check	07.10.2019	Guo Daxia
	over 6 up to 30	0,2	Benennung/ Designation		3
Proprietary data, company confidential, all rights reserved.	over 30 up to 100	0,3	LP103035		
		over 100	0,5	Origin:	FD_3035_67
				support@lipolbattery.com	www.LiPolBattery.com