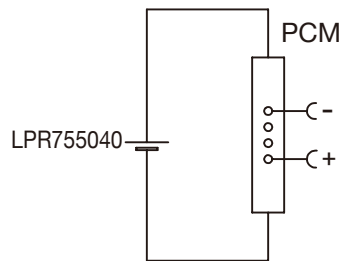


Circuit Diagram



## Specification

Lithium Polymer Battery Pack LPR755040 1500mAh 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	▶ LP755040
PCM	▶ Yes
NTC	▶ 10K 1% @ +25C B3435
Configuration	▶ 1S1P
Weight	▶ appr. 30g

### Electrical Specification

Rated Capacity	▶ 1500mAh min, 1530mAh typ.
Nominal Voltage	▶ 3.7V
Wat-Hour Rating	▶ 5.55Wh
Max. Operating Voltage Range	▶ 2.75V to 4.20V
Max. Charge Voltage	▶ 4.2V ± 50mV
Max. Charge Current	▶ 750mA
Max. Continuous Discharge Current	▶ 1500mA
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%
	▶ 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](http://www.lipolbattery.com/support.html)

Mae in mm	Freimatoleranzen	Date	Name	+ <b>LiPol Battery</b>	Index
All dimensions in mm	Generaltoleranzen	Erst. / Orig	06.02.2020		
Als Betriebsgeheimnis anvertraut, alle Rechte vorbehalten	up to 6 over 6 up to 30	· 0,1 · 0,2	Gepr./check	06.02.2020	Guo Daxia
Proprietary data, company confidential, all rights reserved.	over 30 up to 100 over 100	· 0,3 · 0,5	Benennung/ Designation		Zchgng. / Dwg. Nr.
			LPR755040		3
			Origin:		FD_3255_72
			support@lipolbattery.com		www.LiPolBattery.com