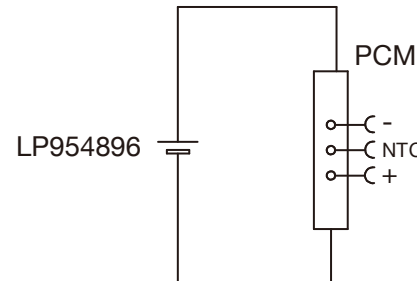


Circuit diagramm



## Specification

Lithium Polymer Battery Pack LP954896 5000mAh 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	▶ LP954896
PCM	▶ Yes
NTC	▶ 10KΩ 1% +25C B3380
Configuration	▶ 1S1P
Weight	▶ appr. 100g

### Electrical Specification

Rated Capacity	▶ 5000mAh min, 5030mAh typ.
Nominal Voltage	▶ 3.7V
Wat-Hour Rating	▶ 18.5Wh
Max. Operating Voltage Range	▶ 2.75V to 4.20V
Max. Charge Voltage	▶ 4.2V ±50mV
Max. Charge Current	▶ 2500mA
Max. Continuous Discharge Current	▶ 3000mA
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	▶ 4A 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%
	▶ 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 Generaltoleranzen	Date	Name		Index
	Als Betriebsgeheimnis anvertraut, alle Rechte vorbehalten	up to 6 · 0.1 over 6 up to 30 · 0.2	Erst. / Orig		
Gepr./Check			25.10.2019 Guo Daxia		
Proprietary data, company confidential, all rights reserved.	over 30 up to 100 · 0.3 over 100 · 0.5	Benennung/ Designation		Zchng. / Dwg. Nr.	3 FD_2532_70
		LP954896			
		Origin:	support@lipolbattery.com		www.LiPolBattery.com