

## Specification

Lithium Polymer Battery Pack LP283562 600mAh 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	▶ LP283562
PCM	▶ Yes
NTC	▶ No
Configuration	▶ 1S1P
Weight	▶ appr. 12g
Connector	▶ Molex 51021-0200

### Electrical Specification

Rated Capacity	▶ 590mAh min, 600mAh typ.
Nominal Voltage	▶ 3.7V
Wat-Hour Rating	▶ 2.22Wh
Max. Operating Voltage Range	▶ 2.75V to 4.20V
Max. Charge Voltage	▶ 4.2V ±50mV
Max. Charge Current	▶ 300mA
Max. Continuous 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 4.275V ±50mV)
Overdischarge Detection	▶ 2.75V ±50mV (14 to 26msec. delay, resume 2.50V ±50mV)
Overcurrent Detection	▶ 2A to 4.5A (8 to 16msec. delay)

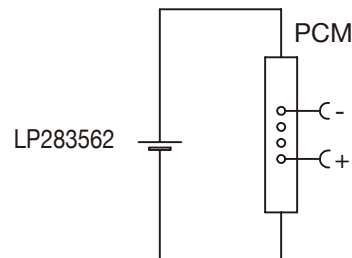
### Ambient Conditions

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%
	▶ 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)

### Circuit diagram



Mae in mm	Freimatoleranzen	Date	Name	<b>LiPol Battery</b>		
All dimensions in mm	Generaltoleranzen	Erst. / Orig	04.01.2019		Xie Qingfang	
Als Betriebsgeheimnis anvertraut, alle Rechte vorbehalten	up to 6	0,1	Gepr./Check		04.01.2019	Guo Daxia
	over 6 up to 30	0,2	Benennung/ Designation			
Proprietary data, company confidential, all rights reserved.	over 30 up to 100	0,3	LP283562		Zchng. / Dwg. Nr.	
	over 100	0,5	Origin:		3 FD_3255_70	
				support@lipolbattery.com	www.LiPolBattery.com	