



# Specification

Lithium Polymer Battery Cell LP201016 15mAh 3.7V without 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 ▶ LP201016
- PCM ▶ No
- NTC ▶ No
- Configuration ▶ 1S1P
- Weight ▶ appr. 0.5g

## Electrical Specification

- Rated Capacity ▶ 13mAh min, 15mAh typ.
- Nominal Voltage ▶ 3.7V
- Wat-Hour Rating ▶ 0.0555Wh
- Max. Operating Voltage Range ▶ 2.75V to 4.20V
- Max. Charge Voltage ▶ 4.2V ±50mV
- Max. Charge Current ▶ 7.5mA
- Max. Continuous Discharge Current ▶ 15mA
- Discharge Cut Off ▶ 3.0V
- 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 ▶ 3.0V ±50mV (14 to 26msec. delay, resume 2.80V ±50mV)

## 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)

Index	Alteration		Date	Name
Projection: 	Diese Mae werden besonders gepruft This dimensions are considered inspectable			Material
Mae in mm All dimensions in mm	Freimatoleranzen Generaltoleranzen	Date 10.05.2019	Name Xie Qingfang	<b>+ LiPol Battery</b>
Als Betriebsgeheimnis anvertraut, alle Rechte vorbehalten.	up to 6 · 0,1 over 6 up to 30 · 0,2	Bearb./ Desig. Gepr./ Check.	10.05.2019 Guo Daxia	
Proprietary data, company confidential, all rights reserved.	over 30 up to 100 · 0,3 over 100 · 0,5	Benennung/ Designation LP201016		
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