



Specification

Lithium Polymer Battery Pack LP402535 320mAh 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 ▶ LP402535
- PCM ▶ Yes
- NTC ▶ 10KΩ 1% +25C B3435
- Configuration ▶ 1S1P
- Weight ▶ appr. 6.4g

Electrical Specification

- Rated Capacity ▶ 320mAh min, 320mAh typ.
- Nominal Voltage ▶ 3.7V
- Wat-Hour Rating ▶ 1.184Wh
- Max. Operating Voltage Range ▶ 2.75V to 4.20V
- Max. Charge Voltage ▶ 4.2V ±50mV
- Max. Charge Current ▶ 170mA
- Standard Charge Current ▶ 68mA
- Max. Continuous Discharge Current ▶ 320mA
- Standard Discharge Current ▶ 170mA
- 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 2.5A (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 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 IEC62133-2-2017 & RoHS-Compliant. For more safety precautions and performance standards, please go to www.lipolbattery.com/support.html

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	Erst./Orig	11.03.2021	Xie Qingfang		
Als Betriebsgeheimnis anvertraut, alle Rechte vorbehalten	up to 6	· 0,1	Gepr./Check	11.03.2021	Guo Daxia
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Proprietary data, company confidential, all rights reserved.	over 30 up to 100	· 0,3	LP402535		Zchng./ Dwg. Nr. 3 FD_2535_45
	over 100	· 0,5	Origin:	support@lipolbattery.com	Index www.LiPolBattery.com