

Specification

Lithium Polymer Battery Pack LP602035 400mAh 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 ▶ LP602035
- PCM ▶ Yes
- NTC ▶ 10KΩ 1% +25C B3435
- Configuration ▶ 1S1P
- Weight ▶ appr. 8g

Electrical Specification

- Rated Capacity ▶ 400mAh min, 400mAh typ.
- Nominal Voltage ▶ 3.7V
- Wat-Hour Rating ▶ 1.480Wh
- Max. Operating Voltage Range ▶ 2.75V to 4.20V
- Max. Charge Voltage ▶ 4.2V ±50mV
- Max. Charge Current ▶ 200mA
- Standard Charge Current ▶ 80mA
- Max. Continuous Discharge Current ▶ 400mA
- Standard Discharge Current ▶ 200mA
- 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)

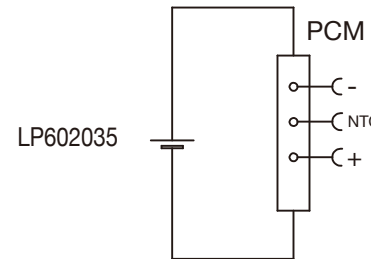
Ambient Conditions

- 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 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

Circuit diagram



Mae in mm All dimensions in mm	Freimatoleranzen Generaltoleranzen	Erst./ Orig	10.09.2020	Name	Xie Qingfang
		Gepr./Check	10.09.2020		Guo Daxia
Als Betriebsgeheimnis anvertraut, alle Rechte vorbehalten	up to 6 · 0,1	Benennung/ Designation			
Proprietary data, company confidential, all rights reserved.	over 6 · 0,2 over 30 · 0,3 up to 100 · 0,5 over 100 · 0,5				
		LP602035		Zchnng. / Dwg. Nr.	
		3		FD_2035_70	
		support@lipolbattery.com		www.LiPolBattery.com	
		Index			

LiPol Battery