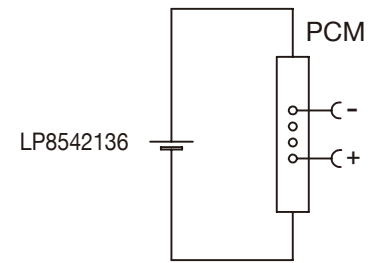


Circuit Diagram



Specification

Lithium Polymer Battery Pack LP8542136 6000mAh 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 ▶ LP8542136
- PCM ▶ Yes
- NTC ▶ No
- Configuration ▶ 1S1P
- Weight ▶ appr. 120g

Electrical Specification

- Rated Capacity ▶ 6000mAh min, 6050mAh typ.
- Nominal Voltage ▶ 3.7V
- Wat-Hour Rating ▶ 22.2Wh
- Max. Operating Voltage Range ▶ 2.75V to 4.20V
- Max. Charge Voltage ▶ 4.2V ±50mV
- Max. Charge Current ▶ 2000mA
- Standard Charge Current ▶ 1000mA
- Max. Continuous Discharge Current ▶ 3000mA
- Standard Discharge Current ▶ 1000mA
- 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 ▶ 3A to 6.5A (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 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 IEC62133-2-2017 & RoHS-Compliant. For more safety precautions and performance standards, please go to www.lipolbattery.com/support.html

Mae in mm	Freimatoleranzen	Date	Name	LiPol Battery	Zchg. / Dwg. Nr.	Index
All dimensions in mm	Generaltolerances	Erst. / Orig	21.06.2021			
Als Betriebsgeheimnis anvertraut, alle Rechte vorbehalten	up to 6	0,1	Gepr./check	21.06.2021	Guo Daxia	3
	over 6	0,2	Benennung/ Designation		FD_2136_85	
Proprietary data, company confidential, all rights reserved.	over 30	0,3	LP8542136			
	up to 100	0,3	LP8542136		www.LiPolBattery.com	
	over 100	0,5	Origin:			