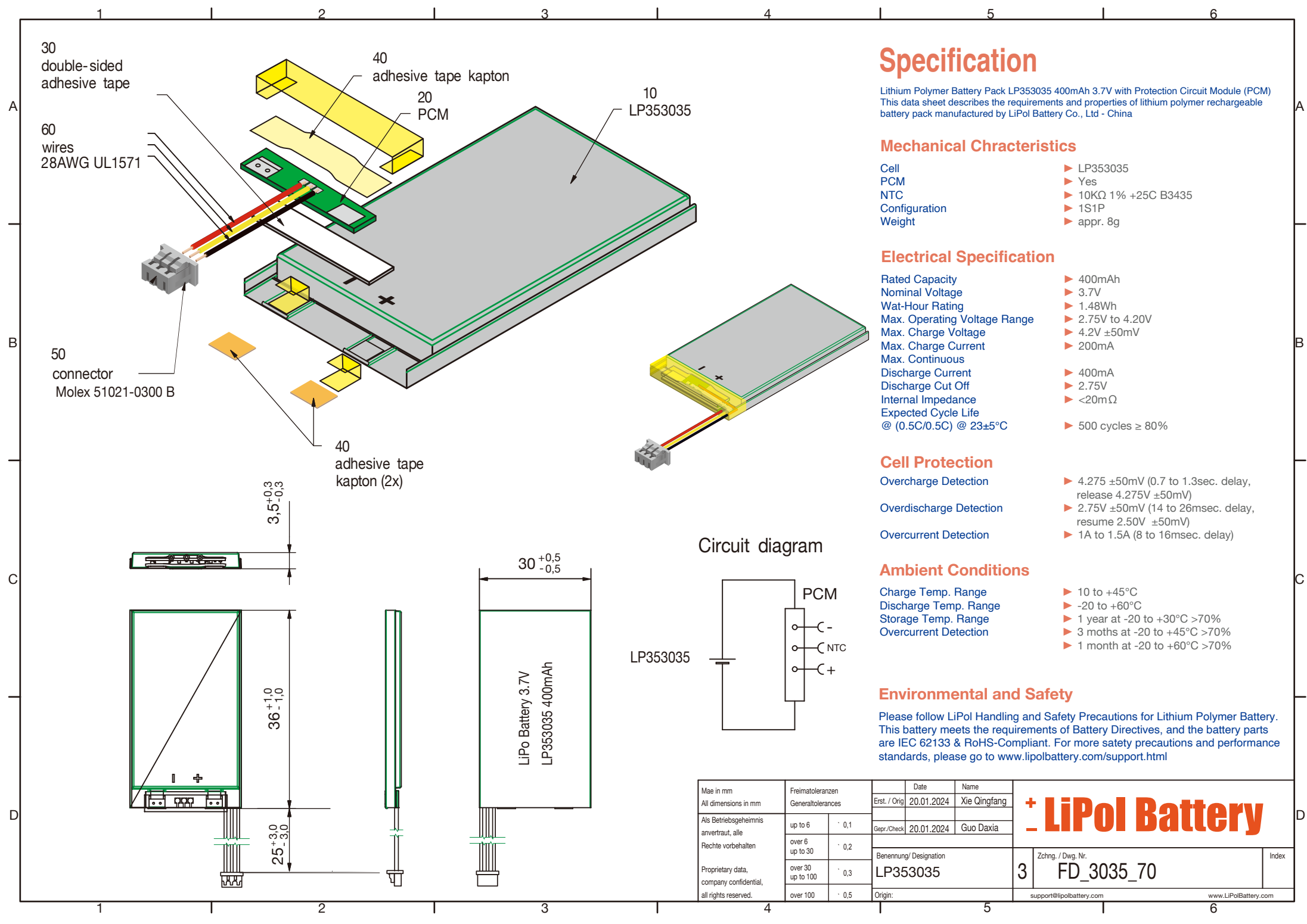




Specification

Lithium Polymer Battery Pack LP353035 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 Chracteristics

- Cell ▶ LP353035
- PCM ▶ Yes
- NTC ▶ 10KΩ 1% +25C B3435
- Configuration ▶ 1S1P
- Weight ▶ appr. 8g

Electrical Specification

- Rated Capacity ▶ 400mAh
- Nominal Voltage ▶ 3.7V
- Wat-Hour Rating ▶ 1.48Wh
- Max. Operating Voltage Range ▶ 2.75V to 4.20V
- Max. Charge Voltage ▶ 4.2V ±50mV
- Max. Charge Current ▶ 200mA
- Max. Continuous Discharge Current ▶ 400mA
- Discharge Cut Off ▶ 2.75V
- Internal Impedance ▶ <20mΩ
- 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 ▶ 1A to 1.5A (8 to 16msec. delay)

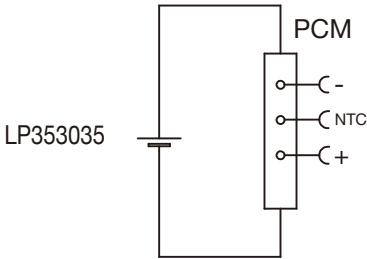
Ambient Conditions

- Charge Temp. Range ▶ 10 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%

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	Freimattoleranzen		Date	Name	LiPol Battery			
All dimensions in mm	Generaltolerances		Erst. / Orig	20.01.2024				Xie Qingfang
			Gepr./Check	20.01.2024				Guo Daxia
Als Betriebsgeheimnis anvertraut, alle Rechte vorbehalten	up to 6	0,1	Benennung/ Designation			Zchng. / Dwg. Nr.		Index
	over 6 up to 30	0,2						
	over 30 up to 100	0,3						
Proprietary data, company confidential, all rights reserved.	over 100	0,5	LP353035			3	FD_3035_70	
	Origin:		support@lipolbattery.com			www.LiPolBattery.com		

+ LiPol Battery

Zchnng. / Dwg. Nr.
3 FD_3035_70

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www.lipolbattery.com