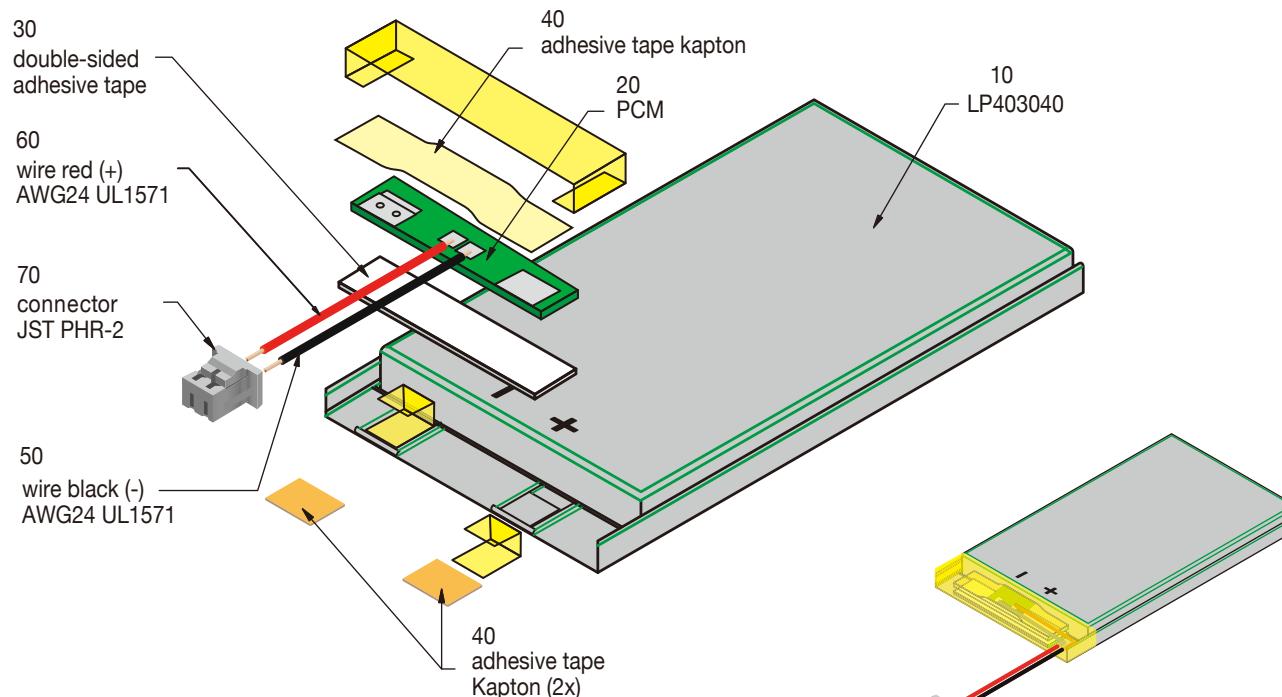


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Specification

Lithium Polymer Battery Pack LP403040 430mAh 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
PCM
NTC
Configuration
Weight
Connector

- ▶ LP403040
- ▶ Yes
- ▶ No
- ▶ 1S1P
- ▶ appr. 9g
- ▶ JST PHR-2

Electrical Specification

Rated Capacity
Nominal Voltage
Wat-Hour Rating
Max. Operating Voltage Range
Max. Charge Voltage
Max. Charge Current
Max. Continuous
Discharge Current
Discharge Cut Off
Internal Impedance
Expected Cycle Life
@ (0.5C/0.5C) @ 23±5°C

- ▶ 420mAh min, 430mAh typ.
- ▶ 3.7V
- ▶ 1.59Wh
- ▶ 2.75V to 4.20V
- ▶ 4.2V ±50mV
- ▶ 215mA
- ▶ 430mA
- ▶ 2.75V
- ▶ <200mΩ
- ▶ 500 cycles ≥ 80%

Cell Protection

Overcharge Detection
Overdischarge Detection
Overcurrent Detection

- ▶ 4.275 ±50mV (0.7 to 1.3sec. delay, release 4.275V ±50mV)
- ▶ 2.75V ±50mV (14 to 26msec. delay, resume 2.50V ±50mV)
- ▶ 2A to 4.5A (8 to 16msec. delay)

Ambient Conditions

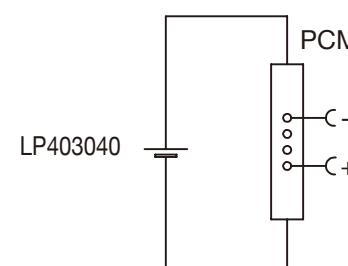
Charge Temp. Range
Discharge Temp. Range
Storage Temp. Range
Overcurrent Detection

- ▶ 0 to +45°C
- ▶ -20 to +60°C
- ▶ 1 year at -20 to +30°C >70%
- ▶ 3 months at -20 to +45°C >70%
- ▶ 1 month at -20 to +60°C >70%
- ▶ 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



Ma in mm All dimensions in mm	Freimaterialeranzen General tolerances		Date	Name
	Erst. / Orig.	07.01.2019		
Als Betriebsgeheimnis anvertraut, alle Rechte vorbehalten	up to 6	.01	Gepr./Check	Guo Daxia
	over 6 up to 30	.02		
Proprietary data, company confidential, all rights reserved.	over 30 up to 100	.03	Benennung/ Designation	LP403040
	over 100	.05	Origin:	
			Zchnng. / Dwg. Nr.	1 FD_5123_10
			Index	
				www.lipolbattery.com

+ LiPol Battery

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