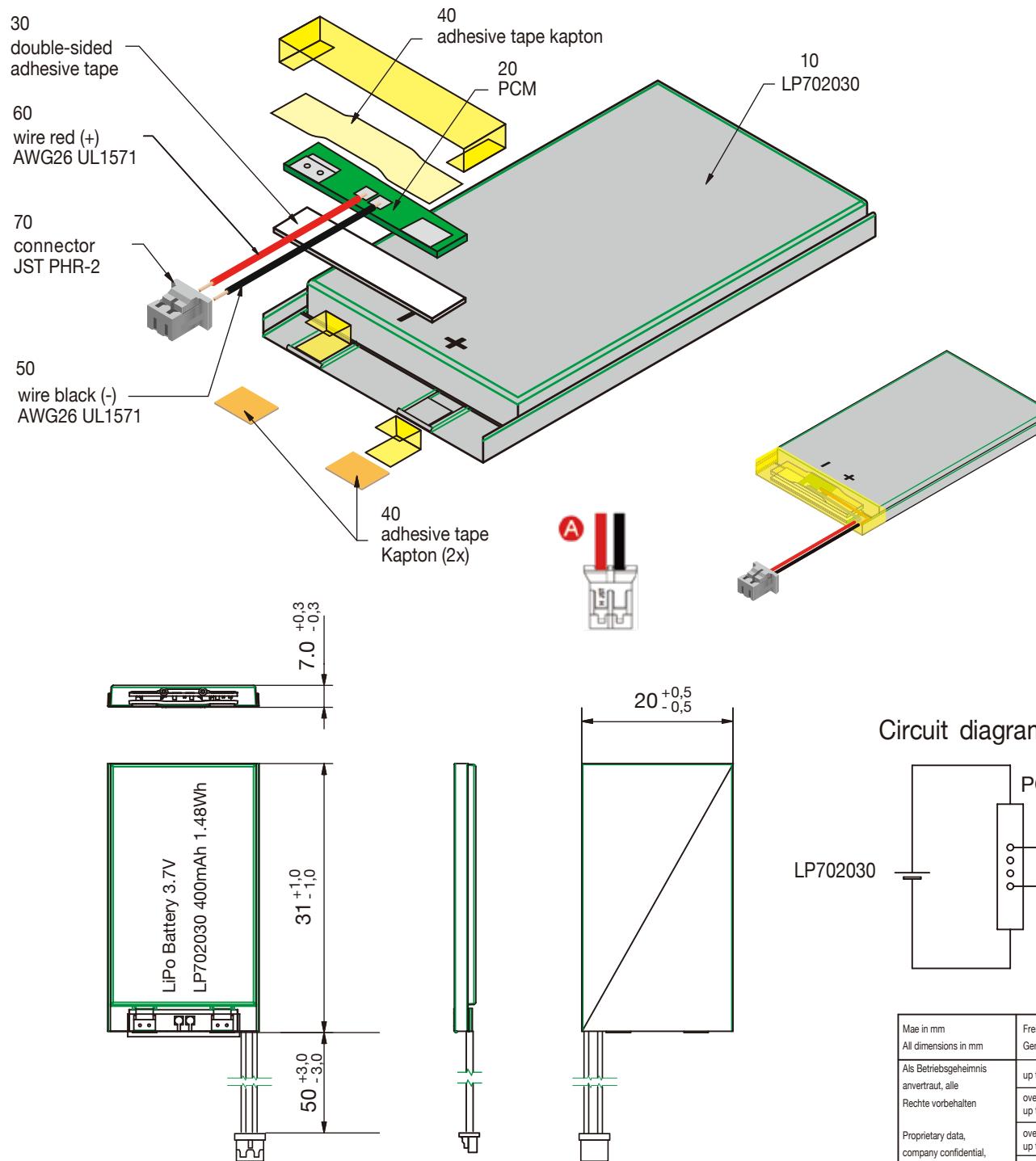


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Specification

Lithium Polymer Battery Pack LP702030 3.7V 400mAh 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

- ▶ LP702030
- ▶ Yes
- ▶ No
- ▶ 1S1P
- ▶ appr. 8.0g
- ▶ JST PHR-2 (A)

Electrical Specification

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

- ▶ 400mAh min, 410mAh typ.
- ▶ 3.7V
- ▶ 1.48Wh
- ▶ 2.75V to 4.20V
- ▶ 4.2V ± 50mV
- ▶ 200mA
- ▶ 80mA
- ▶ 400mA
- ▶ 200mA
- ▶ 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)
- ▶ 2.0A to 2.5A (8 to 16msec. delay)

Ambient Conditions

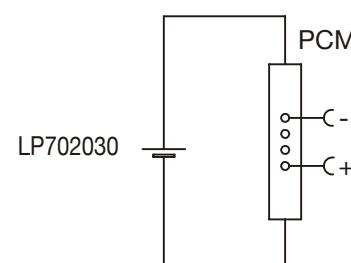
Charge Temp. Range
Discharge Temp. Range
Storage Temp. Range

- ▶ +10°C 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 IEC62133-2-2017 & RoHS-Compliant. For more safety precautions and performance
standards, please go to www.lipolbattery.com/support.html

Circuit diagram



Maß in mm All dimensions in mm	Freimälerungen General tolerances		Date 01.06.2018	Name Xie Qingfang
	Erst. / Orig.	Gepr./Check		
Als Betriebsgeheimnis anvertraut, alle Rechte vorbehalten	up to 6	0.1	01.06.2018	Guo Daxia
Proprietary data, company confidential, all rights reserved.	over 6 up to 30	0.2		
	over 30 up to 100	0.3		
	over 100	0.5		
Benennung/ Designation		Origin:		Zchng. / Dwg. Nr. 3 FD_1241_10
		Index		www.LiPoBattery.com

+ LiPo Battery