

30
double-sided
adhesive tape

60
wires
30AWG UL1571

50
connector
Molex 78172-0300

40
adhesive tape kapton

20
PCM

10
LP672030

40
adhesive tape kapton (2x)

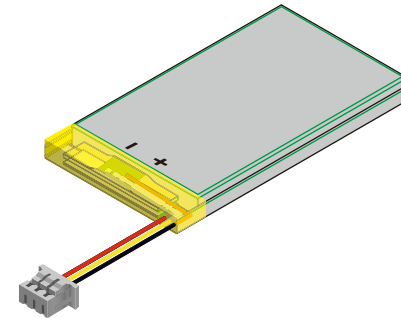
6,7 ^{+0,3}
-0,3

30 ^{+1,0}
-1,0

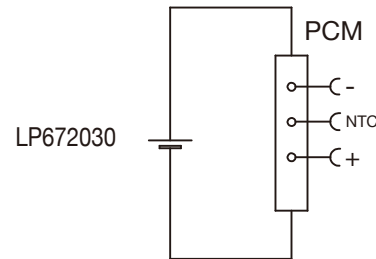
50 ^{+3,0}
-3,0

20 ^{+0,5}
-0,5

LiPo Battery 3.7V
LP672030 350mAh



Circuit diagram



Specification

Lithium Polymer Battery Pack LP672030 350mAh 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	▶ LP672030
PCM	▶ Yes
NTC	▶ 10KΩ 1% +25C B3380
Configuration	▶ 1S1P
Weight	▶ appr. 7g

Electrical Specification

Rated Capacity	▶ 350mAh min, 380mAh typ.
Nominal Voltage	▶ 3.7V
Wat-Hour Rating	▶ 1.295Wh
Max. Operating Voltage Range	▶ 2.75V to 4.20V
Max. Charge Voltage	▶ 4.2V ±50mV
Max. Charge Current	▶ 175mA
Max. Continuous Discharge Current	▶ 350mA
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%
Overcurrent Detection	▶ 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

Mae in mm All dimensions in mm	Freimatoleranzen Generaltoleranzen	Date 23.08.2019	Name Xie Qingfang	+ LiPol Battery
Als Betriebsgeheimnis anvertraut, alle Rechte vorbehalten	up to 6 : 0,1 over 6 up to 30 : 0,2 over 30 up to 100 : 0,3 over 100 : 0,5	Erst./ Orig 23.08.2019	Guo Daxia	
Proprietary data, company confidential, all rights reserved.		Benennung/ Designation LP672030		Zchnng. / Dwg. Nr. 3 FD_3245_70
		Origin:	support@lipolbattery.com	www.LiPolBattery.com