

Specification

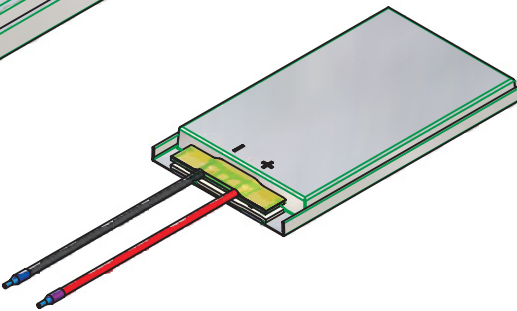
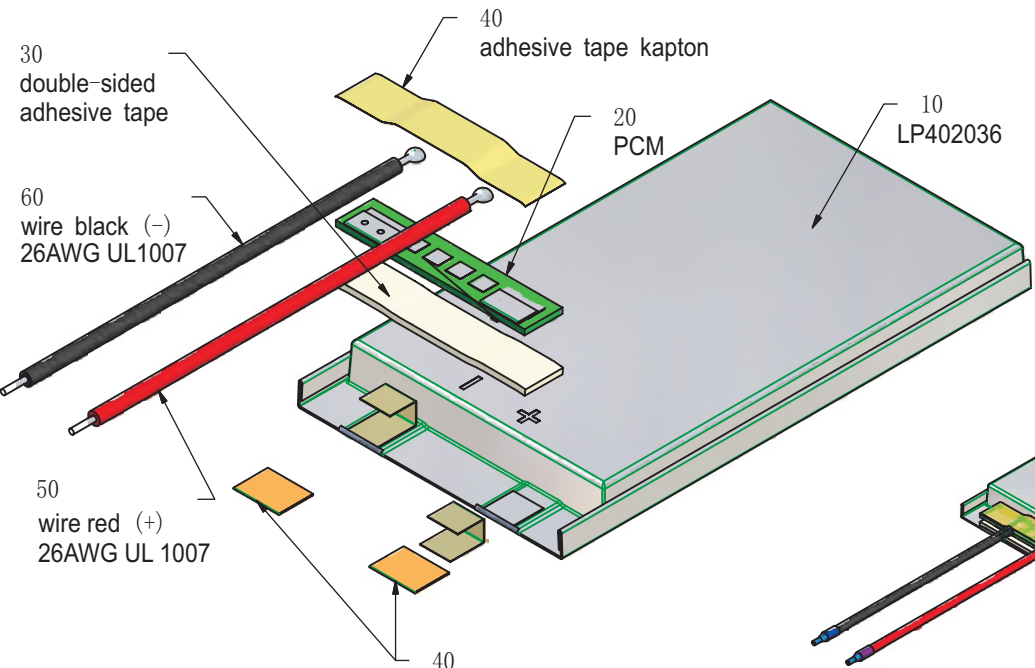
Lithium Polymer Battery Pack (LP402036) 220mAh 3.7V with Protection Circuit Module (PCM)
 This data sheet describes the requirements and properties of lithium polymer rechargeable battery pack manufactured by LiPol Battery Co., Ltd - China

Mechanical Characteristics
 Type number: LP402036
 Designation IEC system: Lithium polymer battery pack
 Length: $36 \pm 0.4\text{mm}$
 Width: $20 \pm 0.2\text{mm}$
 Thickness: $4.0 \pm 0.2\text{mm}$
 Cable: $150 \pm 3.0\text{mm}$ (26AWG UL 1007)
 Weight: appr. 6.0g
 Connector: JST 2.54 male & female connectors

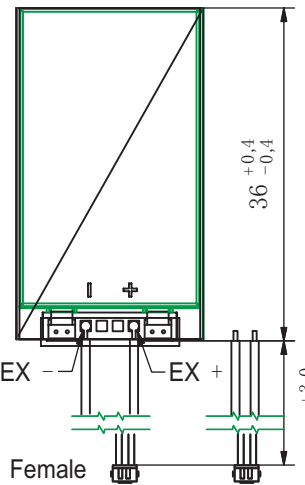
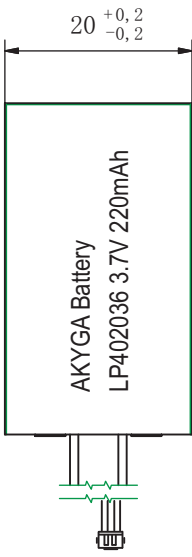
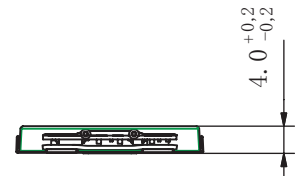
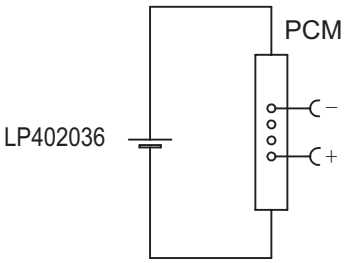
Electrical Specification
 Rated capacity: 220mAh min, 240mAh typ.
 Nominal voltage: 3.7V
 Max. operating voltage range: 3.0V to 4.2V
 Charge voltage: $4.2 \pm 50\text{mV}$
 Initial charge current: Standard charge: 110mA
 Rapid charge: 220mA
 Charging cut-off (A or B)
 A) By time: Standard charge: 7 hours
 Rapid charge: 4 hours
 B) By min. current: 4.4mA
 Max continuous discharge current: 220mA
 Exp. cycle life: >500 cycles >80% of initial cap. (0.5C/0.5C)
 Internal impedance (1kHz): approx 47mOhm
 Cell protection
 Overcharge detection: $4.325 \pm 25\text{mV}$
 (0.5 to 2.0 sec. delay, resume $4.075 \pm 50\text{mV}$)
 Overdischarge detection: $3.00\text{V} \pm 25\text{mV}$
 (6.25 to 250msec. delay, resume $2.9\text{V} \pm 100\text{mV}$)

Ambient conditions
 Temperature range
 Charge: 0 to +45°C
 Discharge: -20 to +60°C
 Charge retention/Storage: 1 year at -20 to 20°C >70%
 3 month at -20 to 45°C >70%
 1 month at -20 to 60°C >70%

Safety
 Please follow handing and Safety Precautions Poliflex.



Circuit diagram



Index	Alteration		Date	Name
Projection:		Diese Mae werden besonders gepruft This dimensions are considered inspectable		Material 6645175 6845
Mae in mm All dimensions in mm	Freimatoleranzen Generaltoleranzen	Erst./Orig.	17. 09. 2013	Xie Qingfang
Als Betriebsgeheimnis anvertraut, alle Rechte vorbehalten.	up to 6 ' 0,1 over 6 up to 30 ' 0,2	Bearb./Desig	17. 09. 2013	Guo Daxia
Proprietary data, company confidential, all rights reserved.	over 30 up to 100 ' 0,3 over 100 ' 0,5	Benennung/Designation	LP402036	
		Origin:	3	Zchg. / Dwg. Nr. FD_2573_10

