

Specification

Lithium Polymer Battery Pack (LP345060) 1200mAh 3.7V with Protection Circuit Module (PCM)

This data sheet describes the requirements and properties of lithium polymer rechargeable battery pack manufactured by AKYGA

Mechanical Characteristics

Type number: LP345060
 Designation IEC system: Lithium polymer battery pack
 Length: 60 ± 0.5mm
 Width: 50 ± 0.5mm
 Thickness: 3.4 ± 0.4mm
 Cable: 150 ± 3.0mm (26AWG UL1571)
 Connector: JST SYP-02T/02TV-1 2.54mm connector & socket
 Weight: appr. 22.0g

Electrical Specification

Rated capacity: 1200mAh min, 1220mAh typ.
 Nominal voltage: 3.7V
 Max. operating voltage range: 3.0V to 4.2V
 Charge voltage: 4.2 ± 50mV
 Initial charge current: Standard charge: 240mA
 Rapid charge: 600mA
 Charging cut-off (A or B)
 A) By time: Standard charge: 5 hours
 Rapid charge: 2 hours
 B) By min. current: 24mA
 Max continuous discharge current: 1200mA
 Internal impedance (1kHz): approx 45mOhm
 Exp. cycle life: >500 cycles >80% of initial cap. (0.5C/0.5C)
 Cell protection
 Overcharge detection: 4.325 ± 25mV
 (0.5 to 2.0 sec. delay, resume 4.075 ± 50mV)
 Overdischarge detection: 3.00V ± 25mV
 (6.25 to 250msec. delay, resume 2.9V ± 100mV)

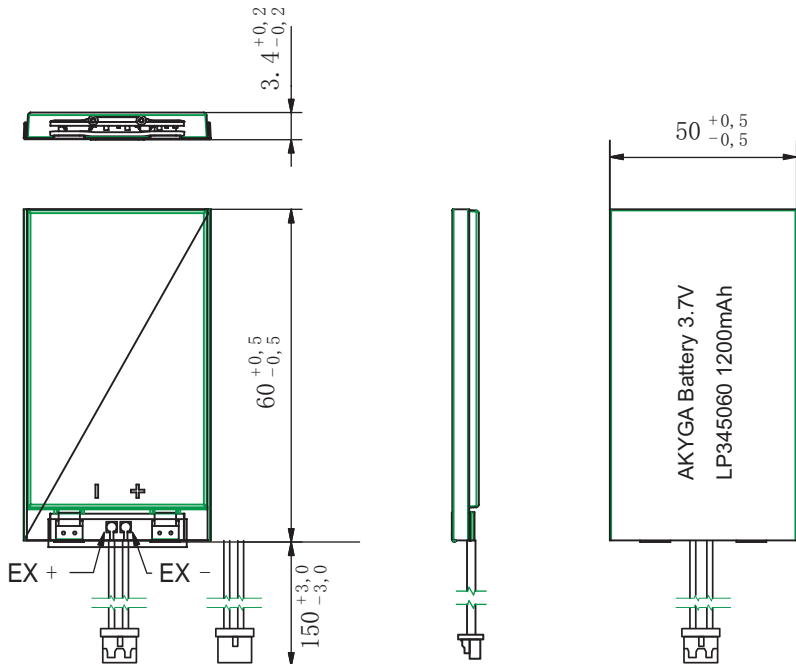
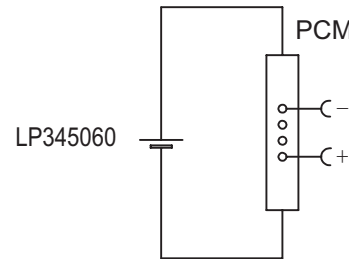
Ambient conditions

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 handling and Safety Precautions Poliflex.

Circuit diagram



Index		Alteration		Date	Name	
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Mae in mm	Freimatoleranzen	Date	Name			
All dimensions in mm	Generaltoleranzen	Erst./Orig.	24.04.2015			Xie Qingfang
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	Bearb./Desig.	24.04.2015			Guo Daxia
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