

Specification

Lithium Polymer Battery Pack (LP573450) 980mAh 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: LP573450

Designation IEC system: Lithium polymer battery pack

Length: 50 ± 0.4 mm

Width: 34 ± 0.4 mm

Thickness: 5.7 ± 0.2 mm

Cable: 90 ± 3.0 mm (26AWG UL 1007)

Weight: appr. 19.5g

Connector: DuPont TJC8 2.54mm 4P male & female connectors

Electrical Specification

Rated capacity: 980mAh min, 1020mAh typ.

Nominal voltage: 3.7V

Max. operating voltage range: 3.0V to 4.2V

Charge voltage: 4.2 ± 50 mV

Initial charge current: Standard charge: 490mA

Rapid charge: 980mA

Charging cut-off (A or B)

A) By time: Standard charge: 7 hours

Rapid charge: 4 hours

B) By min. current: 19.6mA

Max continuous discharge current: 980mA

Exp. cycle life: >500 cycles >70% of initial cap. (0.5C/0.5C)

Internal impedance (1kHz): approx 25mOhm

Cell protection

Overcharge detection: 4.325 ± 25 mV

(0.5 to 2.0 sec. delay, resume 4.075 ± 50 mV)

Overdischarge detection: $3.00V \pm 25$ mV

(6.25 to 250msec. delay, resume $2.9V \pm 100$ mV)

Ambient conditions

Temperature range

Charge: 0 to $+45^{\circ}\text{C}$

Discharge: -20 to $+60^{\circ}\text{C}$

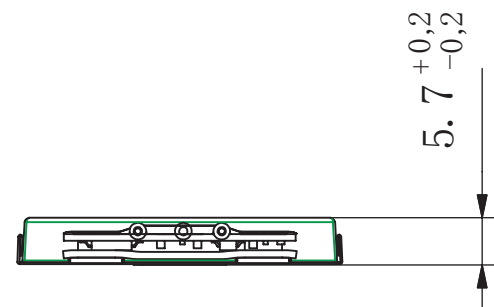
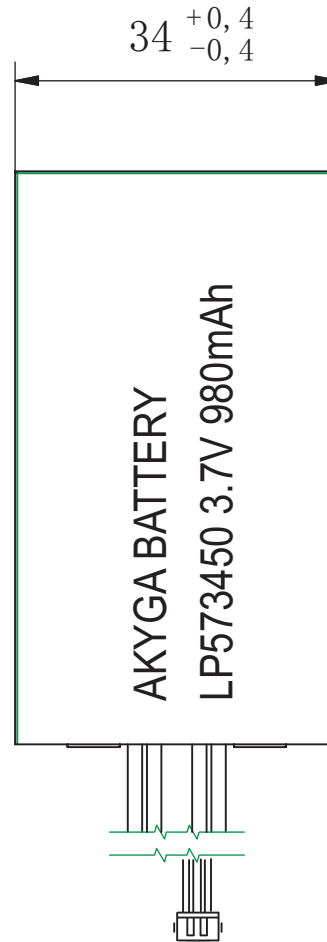
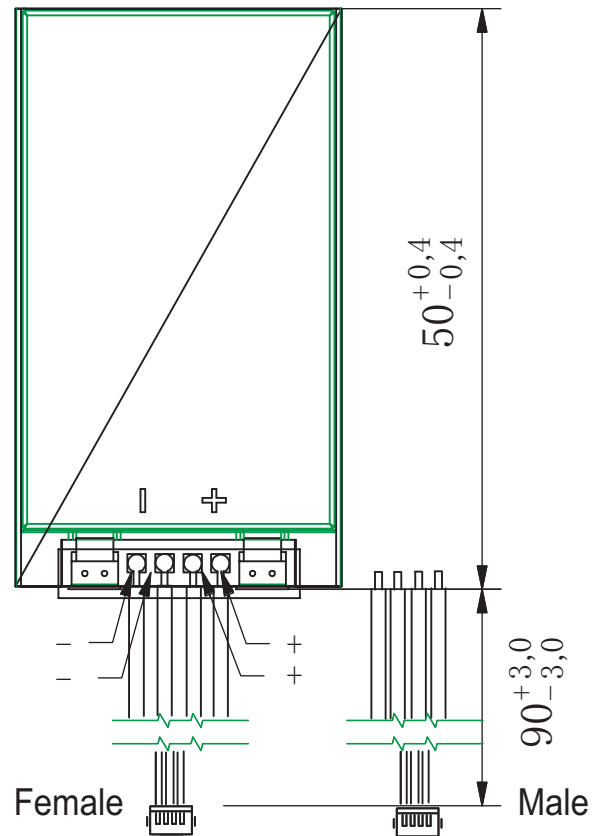
Charge retention/Storage: 1 year at -20 to 20°C >70%

3 month at -20 to 45°C > 70%

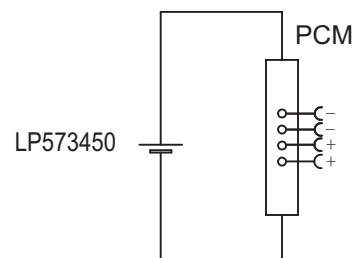
1 month at -20 to 60°C > 70%

Safety

Please follow handling and Safety Precautions Poliflex.



Circuit diagram



Index				Alteration		Date	Name
Projection:				Diese Mae werden besonders gepruft This dimensions are considered inspectable		Material	
Mae in mm				Date		Name	
All dimensions in mm				Erst./Orig.	09.10.2013	Xie Qingfang	
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