

Specification

Lithium Polymer Battery Pack (LP653450) 4800mAh 4P 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: LP653450
- Configuration: 4pcs single cells in series
- Length: 136.0 ± 1.0mm
- Width: 54.0 ± 1.0mm
- Thickness: 6.5 ± 0.2mm
- Cable: 50.0 ± 5mm (26AWG UL 1571)
- Weight approx: 96.0g

Electrical Specification

- Rated capacity: 4800mAh min, 4850mAh typ.
- Nominal voltage: 3.7V
- Max. operating voltage range: 2.75V to 4.2V
- Charge voltage: 4.2 ± 50mV
- Initial charge current: Standard charge: 960 mA
Rapid charge: 2400mA

Charging cut-off (A or B)

- A) By time: Standard charge: 7 hours
Rapid charge: 4 hours

B) By min. current: 2400mA

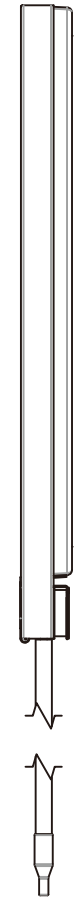
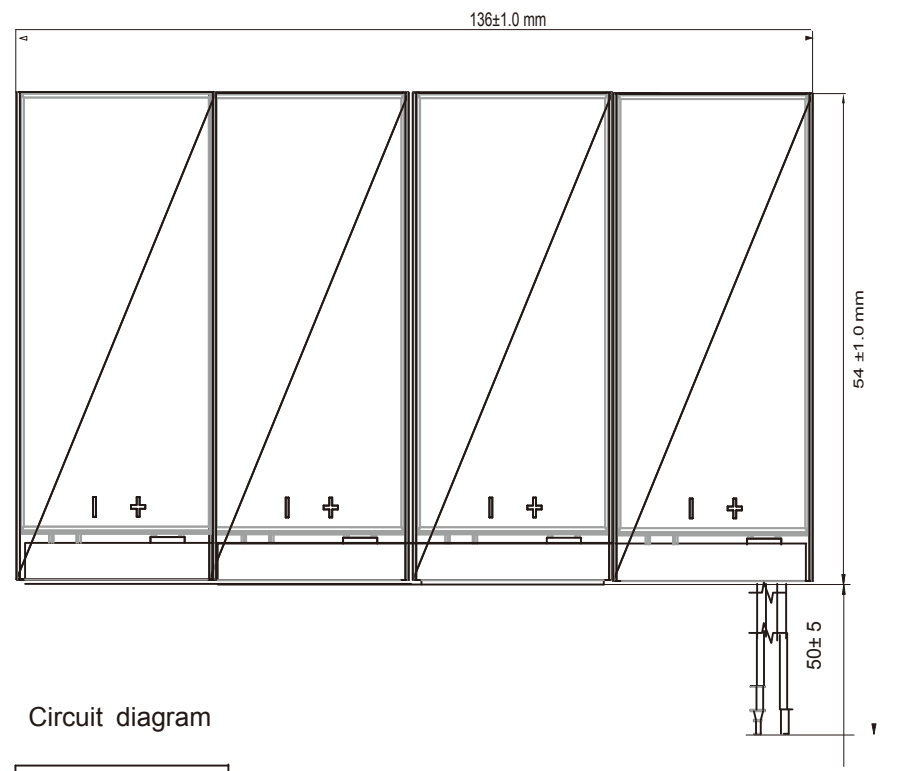
- Max continuous discharge current: 4800mA
- Internal impedance (1kHz): approx 50mOhm
- Exp. cycle life: >500 cycles >70% of initial cap. (0.5C/0.5C)
- Cell protection
- Overcharge detection: 4.27V ± 25mV
(0.7 to 1.3 sec. delay, resume 4.275 ± 50mV)
- Overdischarge detection: 2.75V ± 25mV
(14 to 26msec. delay, resume 2.75V ± 50mV)

Ambient conditions

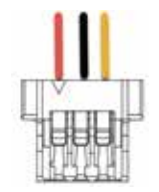
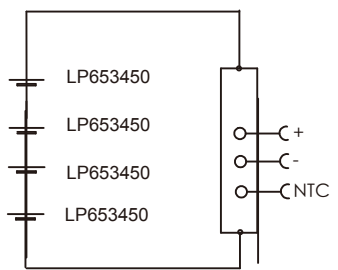
- Temperature range
- Charge: 10 to +45°C
- Discharge: -20 to +60°C
- Charge retention/Storage: 1 year at -20 to 20°C >70%
3 month at -20 to 45°C >70%
1 month at -20 to 60°C >70%

Safety

Please follow handling and Safety Precautions Poliflex.



Circuit diagram



6.5^{+0.2}
-0.2



Index		Alteration		Date	Name
Projection:		Diese Mae werden besonders gepruft This dimensions are considered inspectable		Material: 6562378 4659	
Mae in mm	Freimatoleranzen	Date		Name	
All dimensions in mm	Generaltoleranzen	Erst./Orig	01.06.2021	Xie Qingfang	
Als Betriebsgeheimnis anvertraut. alle Rechte vorbehalten.	up to 6	Gepr./Check	01.06.2021	Guo Daxia	
	over 6 up to 30	Benennung/Designation			
	over 30 up to 100	LP653450 1S4P			
Proprietary data. company confidential. all rights reserved.	over 100	Origin:	repl.f.:	78265658	repl.by: 84363524
		3		Zohng. / Dwg. Nr: FD_3450_76	
				Alloc.: LPE369	

