

Specification

Lithium ion Ternary Battery Cell 21700 4800mAh 3.7V without 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 Chracteristics

Cell	▶ 21700
PCM	▶ No
NTC	▶ No
Configuration	▶ 1S1P
Weight	▶ appr.60g

Electrical Specification

Rated Capacity	▶ 4800mAh min, 4750mAh typ.
Nominal Voltage	▶ 3.7V
Wat-Hour Rating	▶ 17.76Wh
Max. Operating Voltage Range	▶ 2.75V to 4.20V
Max. Charge Voltage	▶ 4.2V $\pm$ 50mV
Max. Charge Current	▶ 2400mA
Standard Charge Current	▶ 960mA
Max. Continuous Discharge Current	▶ 4800mA
Standard Discharge Current	▶ 2400mA
Discharge Cut Off	▶ 2.75V
Internal Impedance	▶ <200m Ω
Expected Cycle Life @ (0.5C/0.5C) @ 23 $\pm$ 5°C	▶ 500 cycles $\geq$ 80%

Cell Protection

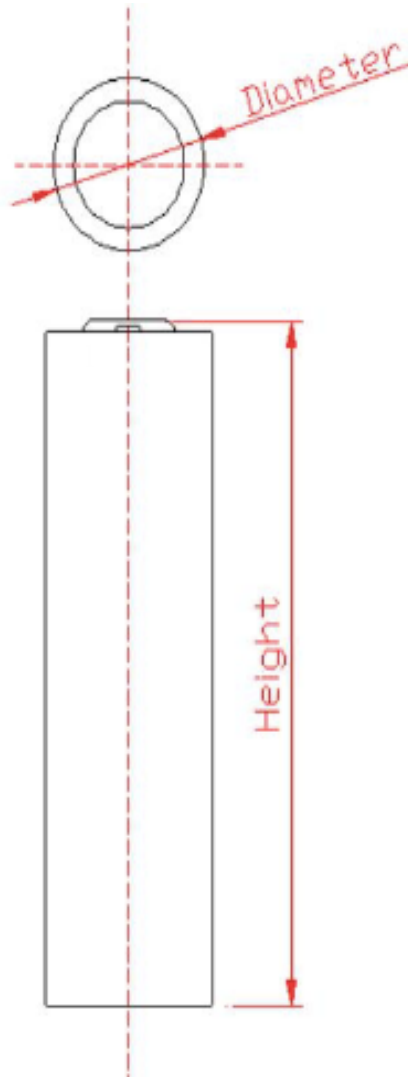
Overcharge Detection	▶ 4.275 $\pm$ 50mV (0.7 to 1.3sec. delay, release 4.275V $\pm$ 50mV)
Overdischarge Detection	▶ 2.75V $\pm$ 50mV (14 to 26msec. delay, resume 2.50V $\pm$ 50mV)
Overcurrent Detection	▶ 4A to 4.5A (8 to 16msec. delay)

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%
	▶ 3 moths at -20 to +45°C >70%
	▶ 1 month at -20 to +60°C >70%
Humidity	▶ 65 $\pm$ 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



NO	Items	Units: mm
1	diameter/直径(D)	21.7 $\pm$ 0.3
2	Height/高度(H)	70.3 $\pm$ 0.5

Index				Alteration		Date	Name
Projection: 		 Diese Mae werden besonders gepruft This dimensions are considered inspectable					
				Material 6645178 3352			
Mae in mm		Freimatoleranzen		Date 14.10.2021		Name Xie Qingfang	
All dimensions in mm		Generaltolerances		Erst./ Orig.			
Als Betriebsgeheimnis anvertraut, alle Rechte vorbehalten.		up to 6 ° 0, 1		Bearb./ Desig.			
		over 6 up to 30 ° 0, 2		Gepr./ Check:		14.10.2021 Guo Daxia	
Proprietary data, company confidential, all rights reserved.		over 30 up to 100 ° 0, 3		Benennung/ Designation		Zchnng. / Dwg. Nr.	
		over 100 ° 0, 5		LP21700		3 FD_1700_21	
		Origin:				www.LiPolBattery.com support@lipolbattery.com	