

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

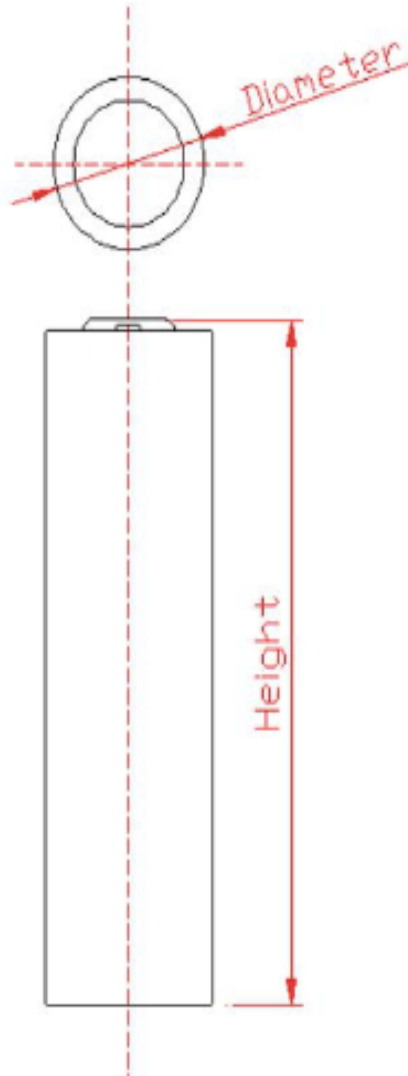
Rated Capacity	▶ 4800mAh min, 4750mAh typ.
Nominal Voltage	▶ 3.7V
Wat-Hour Rating	▶ 17.76Wh
Max. Operating Voltage Range	▶ 2.75V to 4.20V
Max. Charge Voltage	▶ 4.2V $\pm$ 50mV
Max. Charge Current	▶ 2400mA
Standard Charge Current	▶ 960mA
Max. Continuous Discharge Current	▶ 4800mA
Standard Discharge Current	▶ 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



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 geprüf This dimensions are considered inspectable						
			Material		6645178 3352		
Mae in mm All dimensions in mm	Freimatoleranzen Generaltolerances		Date	Name	LiPol Battery		
Als Betriebsgeheimnis anvertraut, alle Rechte vorbehalten.		Erst./ Orig.	14.10.2021	Xie Qingfang			
		Bearb./ Desig.					
		Gepr./ Check.	14.10.2021	Guo Daxia			
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