



Specification

Lithium Polymer Battery Pack LP402030 200mAh 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

- | | |
|---------------|--------------|
| Cell | ▶ LP402030 |
| PCM | ▶ Yes |
| NTC | ▶ No |
| Configuration | ▶ 1S1P |
| Weight | ▶ appr. 4.0g |

Electrical Specification

- | | |
|---|---------------------------|
| Rated Capacity | ▶ 200mAh min, 200mAh typ. |
| Nominal Voltage | ▶ 3.7V |
| Wat-Hour Rating | ▶ 0.74Wh |
| Max. Operating Voltage Range | ▶ 2.75V to 4.20V |
| Max. Charge Voltage | ▶ 4.2V \pm 50mV |
| Max. Charge Current | ▶ 100mA |
| Max. Continuous Discharge Current | ▶ 200mA |
| Discharge Cut Off | ▶ 2.75V |
| Internal Impedance | ▶ <500m Ω |
| Expected Cycle Life @ (0.5C/0.5C) @ 23 \pm 5 $^{\circ}$ 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 | ▶ 1A to 2.5A (8 to 16msec. delay) |

Ambient Conditions

- | | |
|-----------------------|--|
| Charge Temp. Range | ▶ 0 to +45 $^{\circ}$ C |
| Discharge Temp. Range | ▶ -20 to +60 $^{\circ}$ C |
| Storage Temp. Range | ▶ 1 year at -20 to +30 $^{\circ}$ C >70% |
| | ▶ 3 months at -20 to +45 $^{\circ}$ C >70% |
| | ▶ 1 month at -20 to +60 $^{\circ}$ 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

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			Erst. / Orig	28.06.2021				Xie Qingfang	
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Proprietary data, company confidential, all rights reserved.	over 100	0,5	Origin:		support@lipolbattery.com	www.LiPolBattery.com			
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