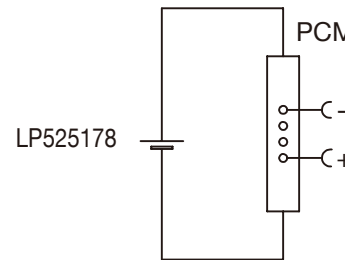


Circuit diagram



Specification

Lithium Polymer Battery Pack LP525178 2500mAh 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	▶ LP525178
PCM	▶ Yes
NTC	▶ No
Configuration	▶ 1S1P
Weight	▶ appr. 50g
Connector	▶ JST PHR-2 (A)

Electrical Specification

Rated Capacity	▶ 2500mAh min, 2550mAh typ.
Nominal Voltage	▶ 3.7V
Wat-Hour Rating	▶ 9.25Wh
Max. Operating Voltage Range	▶ 2.75V to 4.20V
Max. Charge Voltage	▶ 4.2V ±50mV
Max. Charge Current	▶ 1250mA
Max. Continuous Discharge Current	▶ 2500mA
Discharge Cut Off	▶ 2.75V
Internal Impedance	▶ <200mΩ
Expected Cycle Life @ (0.5C/0.5C) @ 23±5°C	▶ 500 cycles ≥ 80%

Cell Protection

Overcharge Detection	▶ 4.275 ±50mV (0.7 to 1.3sec. delay, release 4.275V ±50mV)
Overdischarge Detection	▶ 2.75V ±50mV (14 to 26msec. delay, resume 2.50V ± 50mV)
Overcurrent Detection	▶ 3A 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%
Overcurrent Detection	▶ 3 moths at -20 to +45°C >70%
	▶ 1 month at -20 to +60°C >70%
Humidity	▶ 65 ±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

Mae in mm All dimensions in mm	Freimatoleranzen Generaltolerances	Date 24.05.2019	Name Xie Qingfang	LiPol Battery	Zchng. / Dwg. Nr. 3 FD_3255_70	Index
Als Betriebsgeheimnis anvertraut, alle Rechte vorbehalten	up to 6 · 0,1 over 6 up to 30 · 0,2	Erst. / Orig 24.05.2019	Gepr./Check Guo Daxia			
Proprietary data, company confidential, all rights reserved.	over 30 up to 100 · 0,3 over 100 · 0,5	Benennung/ Designation LP525178		support@lipolbattery.com www.LiPolBattery.com		