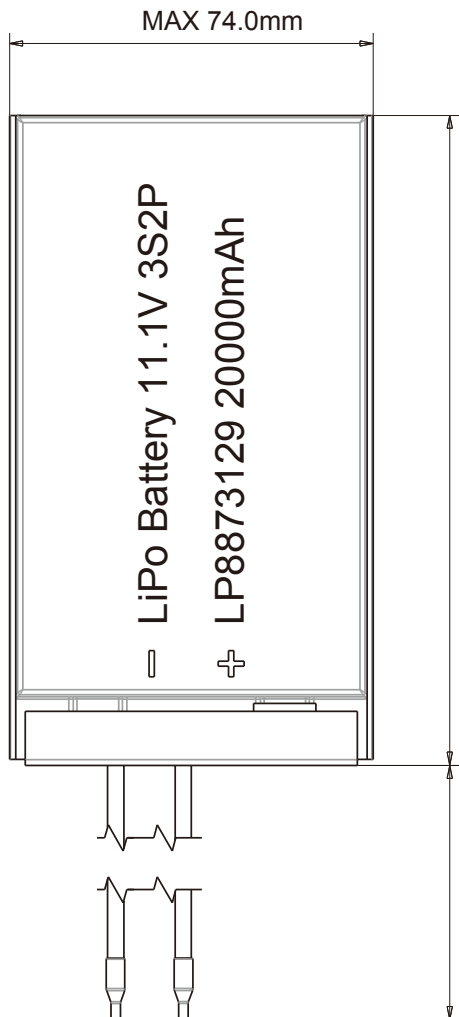


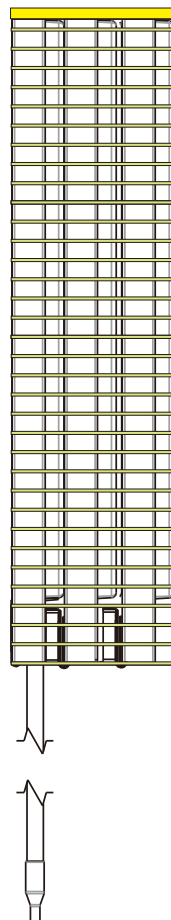
MAX 55.0mm



MAX 74.0mm

MAX 150mm

100±5mm



## Specification

Lithium Polymer Battery Pack LP8873129 3S2P 20000mAh 11.1V 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	▶ LP8873129
PCM	▶ Yes
NTC	▶ No
Configuration	▶ 3S2P
Weight	▶ appr. 1200g
Connector	▶ T-connector & JST XHP-3

### Electrical Specification

Rated Capacity	▶ 20000mAh min, 20080mAh typ.
Nominal Voltage	▶ 11.1V
Wat-Hour Rating	▶ 222Wh
Max. Operating Voltage Range	▶ 9.00V to 12.60V
Max. Charge Voltage	▶ 12.6V ± 50mV
Max. Charge Current	▶ 2000mA
Max. Continuous Discharge Current	▶ 3000mA
Discharge Cut Off	▶ 8.75V
Internal Impedance	▶ <200mΩ
Expected Cycle Life @ (0.5C/0.5C) @ 23±5°C	▶ 500 cycles ≥ 80%

### Cell Protection

Overcharge Detection	▶ 12.675 ±50mV (0.7 to 1.3sec. delay, release 12.275V ±50mV)
Overdischarge Detection	▶ 9.00V ±50mV (14 to 26msec. delay, resume 8.80V ±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%
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](http://www.lipolbattery.com/support.html)

Projection:	<input type="checkbox"/> Diese Mae werden besonders geprüf <input type="checkbox"/> This dimensions are considered inspectable		Material	6645178 4857	
Mae in mm	Freimatoleranzen	Date	Name		
All dimensions in mm	Generaltolerances	26.05.2019	Xie Qingfang		
Als Betriebsgeheimnis anvertraut, alle Rechte vorbehalten.	up to 6 · 0,1 over 6 up to 30 · 0,2	Bearb./Desig. 26.05.2019	Guo Daxia		
Proprietary data, company confidential, all rights reserved.	over 30 · 0,3 over 100 · 0,5	Benennung/ Designation	LP8873129 3S2P		Zchnng. / Dwg.Nr.
			3		FB_1254_73
		Origin:	support@lipolbattery.com		Index
			www.LiPolBattery.com		

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