

# Specification

## Lithium Polymer Battery Pack LP3264158 3S 11.1V 4200mAh 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

- Type number: LP3264158
- Configuration: 3pcs single cells in series
- Length:  $158.0 \pm 0.4\text{mm}$
- Width:  $192.0 \pm 0.2\text{mm}$
- Thickness:  $3.2 \pm 0.2\text{mm}$
- Cable:  $100.0 \pm 3\text{mm}$  (24AWG UL 1007)
- Weight approx: 252.0g

### Electrical Specification

- Rated capacity: 4200mAh min, 4280mAh typ.
- Nominal voltage: 11.1V
- Max. operating voltage range: 9.0V to 12.6V
- Charge voltage:  $12.6\text{V} \pm 50\text{mV}$
- Initial charge current: Standard charge: 2100mA  
Rapid charge: 4200mA

Charging cut-off: By time

Standard charge: 22 hours

Rapid charge: 11 hours

Max continuous discharge current: 4200mA

Internal impedance (1kHz): approx 50mOhm

Exp. cycle life: >500 cycles >70% of initial cap. (0.5C/0.5C)

Cell protection

Overcharge detection:  $12.675\text{V} \pm 50\text{mV}$

(0.7 to 1.3sec. delay, resume  $12.275\text{V} \pm 50\text{mA}$ )

Overdischarge detection:  $9.00\text{V} \pm 50\text{mV}$

(14.0 to 26.0msec. delay, resume  $8.80\text{V} \pm 100\text{mV}$ )

### Ambient conditions

Temperature range

Charge: 0 to  $+45^\circ\text{C}$

Discharge:  $-20$  to  $+60^\circ\text{C}$

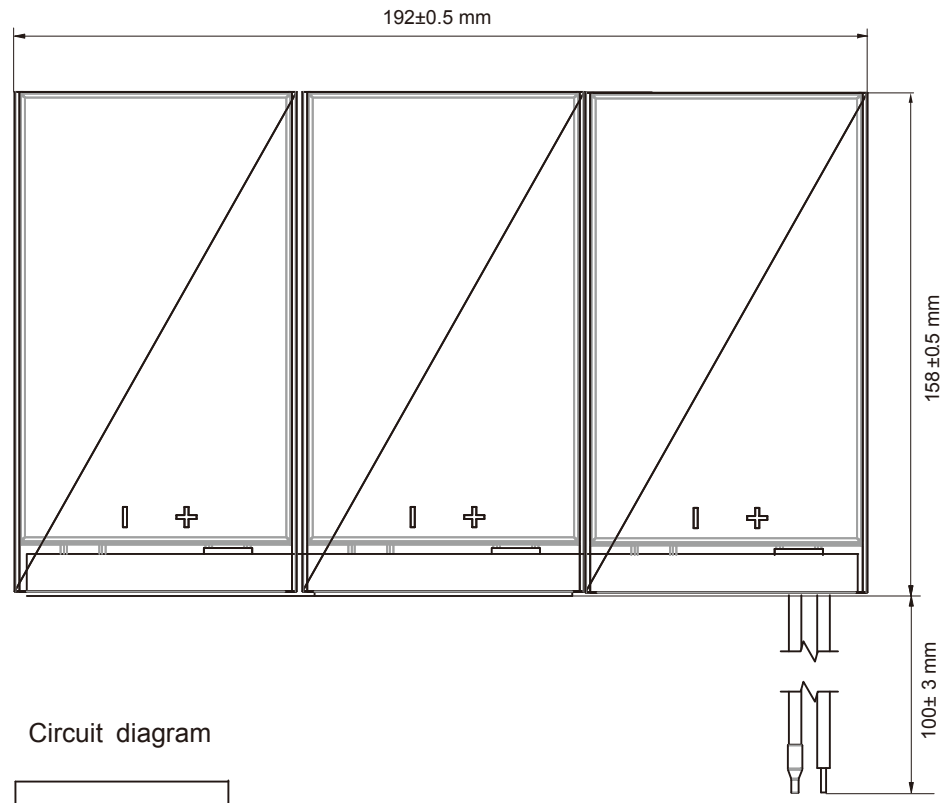
Charge retention/Storage: 1 year at  $-20$  to  $20^\circ\text{C}$  >70%

3 month at  $-20$  to  $45^\circ\text{C}$  >70%

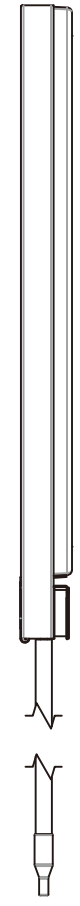
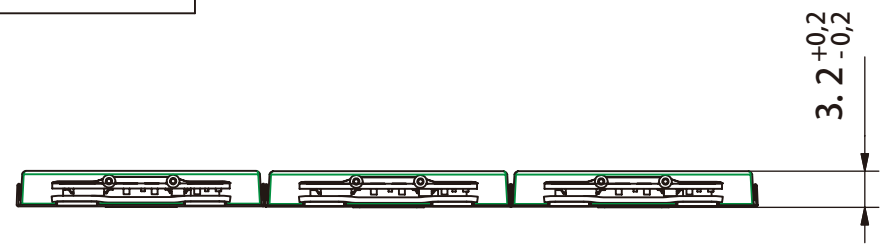
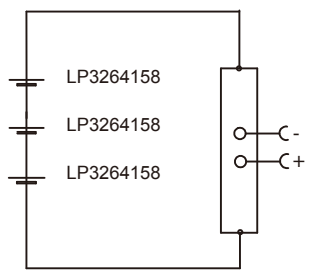
1 month at  $-20$  to  $60^\circ\text{C}$  >70%

### Safety

Please follow handling and Safety Precautions Poliflex.



Circuit diagram



Index		Alteration		Date	Name
Projection:		Diese Mae werden besonders gepruft This dimensions are considered inspectable		Material 6562378 4659	
Mae in mm	Freimatoleranzen	Date	Name		
All dimensions in mm	Generaltoleranzen	Erst./Orig.	Xie Qingfang		
Als Betriebsgeheimnis anvertraut, alle Rechte vorbehalten.	up to 6 : 0,1 over 6 up to 30 : 0,2	Gepr./Check.	01.08.2021 Guo Daxia		
Proprietary data, company confidential, all rights reserved.	over 30 up to 100 : 0,3 over 100 : 0,5	Benennung/ Designation LP3264158 3S1P			
		Origin:	repl.f.:	78265658	repl.by: 84363524
				Alloc.:	LPE369