

Specification

High Rate Lithium Polymer Battery Cell LPHD7134098 3.7V 2800mAh 5C 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 Characteristics

Cell	▶ LPHD7134098
PCM	▶ No
NTC	▶ No
Configuration	▶ 1S1P
Weight	▶ appr. 62.0g

Electrical Specification

Rated Capacity	▶ 2800mAh min, 2800mAh typ.
Nominal Voltage	▶ 3.7V
Wat-Hour Rating	▶ 10.36Wh
Max. Operating Voltage Range	▶ 2.75V to 4.20V
Max. Charge Voltage	▶ 4.2V ± 50mV
Max. Charge Current	▶ 5600mA/2C
Max. Continuous Discharge Current	▶ 14A/5C
Discharge Cut Off	▶ 2.75V
Internal Impedance	▶ <200mΩ
Expected Cycle Life @ (0.5C/0.5C) @ 23±5°C	▶ 500 cycles ≥ 80%

Cell Protection

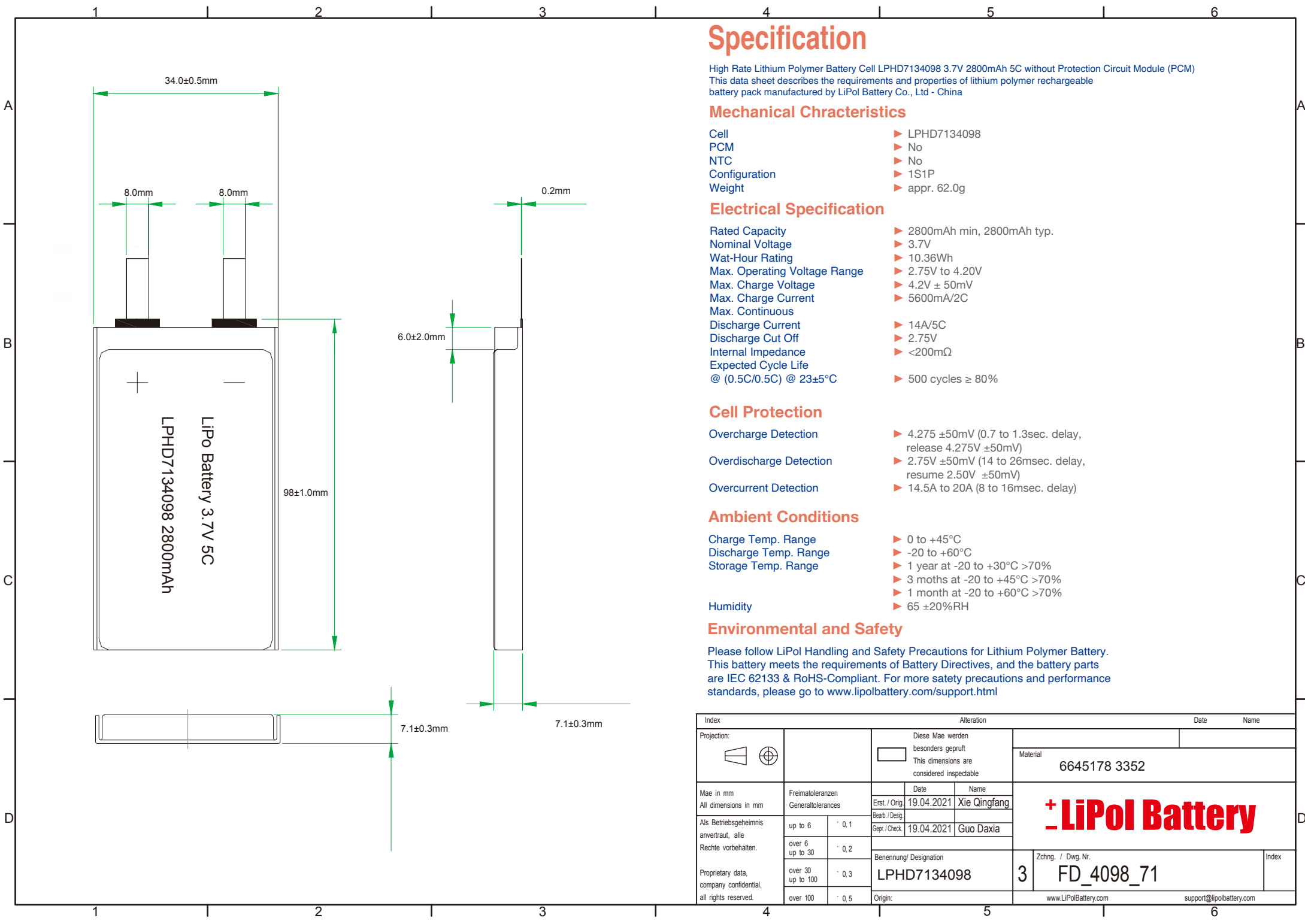
Overcharge Detection	▶ 4.275 ±50mV (0.7 to 1.3sec. delay, release 4.275V ±50mV)
Overdischarge Detection	▶ 2.75V ±50mV (14 to 26msec. delay, resume 2.50V ±50mV)
Overcurrent Detection	▶ 14.5A to 20A (8 to 16msec. delay)

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 ±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



Index		Alteration		Date	Name
Projection:		Diese Mae werden besonders gepruft This dimensions are considered inspectable			
Mae in mm	Freimatoleranzen	Date	Name	Material	
All dimensions in mm	Generaltoleranzen	19.04.2021	Xie Qingfang	6645178 3352	
Als Betriebsgeheimnis anvertraut, alle Rechte vorbehalten.	up to 6 · 0,1	Bearb./ Desig		LiPol Battery	
	over 6 up to 30 · 0,2	Gepr./ Check	19.04.2021 Guo Daxia		
Proprietary data, company confidential, all rights reserved.	over 30 up to 100 · 0,3	Benennung/ Designation		Zchg. / Dwg. Nr.	Index
	over 100 · 0,5	LPHD7134098		3	FD_4098_71
		Origin:	www.LiPolBattery.com		support@lipolbattery.com