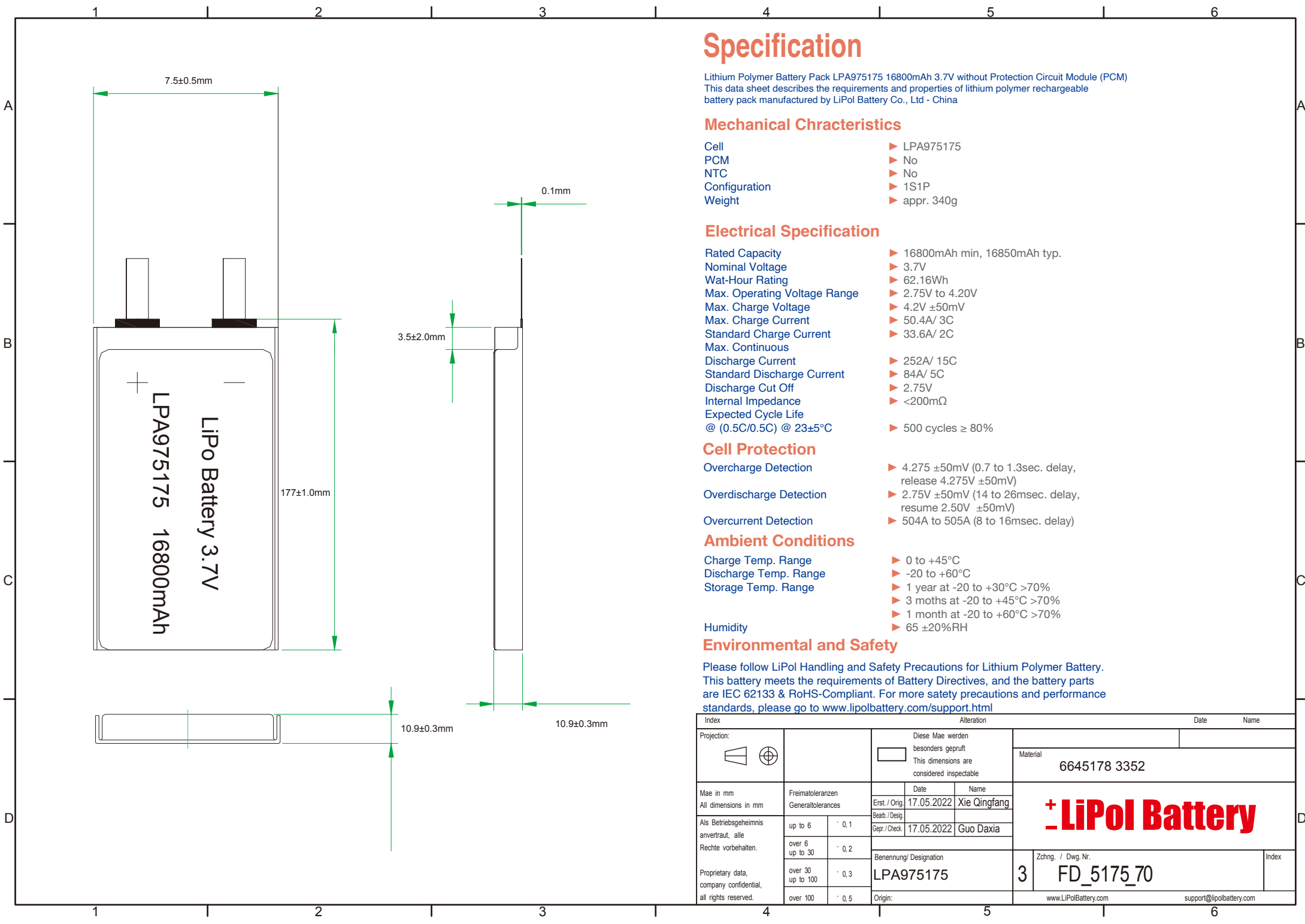




Specification

Lithium Polymer Battery Pack LPA975175 16800mAh 3.7V 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 Chracteristics

Cell	▶ LPA975175
PCM	▶ No
NTC	▶ No
Configuration	▶ 1S1P
Weight	▶ appr. 340g

Electrical Specification

Rated Capacity	▶ 16800mAh min, 16850mAh typ.
Nominal Voltage	▶ 3.7V
Wat-Hour Rating	▶ 62.16Wh
Max. Operating Voltage Range	▶ 2.75V to 4.20V
Max. Charge Voltage	▶ 4.2V ±50mV
Max. Charge Current	▶ 50.4A/ 3C
Standard Charge Current	▶ 33.6A/ 2C
Max. Continuous Discharge Current	▶ 252A/ 15C
Standard Discharge Current	▶ 84A/ 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	▶ 504A to 505A (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 geprüft This dimensions are considered inspectable			
Mae in mm All dimensions in mm	Freimatoleranzen Generaltolerances	Date Name		Material 6645178 3352	
Als Betriebsgeheimnis anvertraut, alle Rechte vorbehalten.	up to 6 over 6 up to 30	Erst./ Orig. Bearb./ Desig. Gepr./ Check.	17.05.2022 17.05.2022	LiPol Battery	
Proprietary data, company confidential, all rights reserved.	up to 100 over 100				
		Benennung/ Designation LPA975175		3	Zchnng. / Dwg. Nr. FD_5175_70
		Origin:		support@lipolbattery.com	