3.7V Lithium Polymer Battery Data Sheet

Model: 3062109

Please Find More:

https://www.fpbattery.com/3-7v-2000mah-lithium-polymer-battery/

File Number: A/FP62109-16424

File Version: 01

CONTACT

CUSTOMER SERVICE
86.755.3682.7358
sales@fpbattery.com
Hours of Operation:
9:00am-6:00pm CST, Monday to Friday

LEARN MORE ON:
https://www.fpbattery.com/

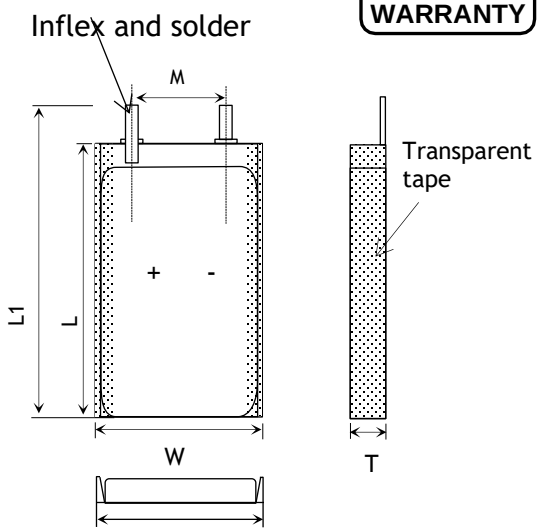
DNK POWER COMPANY LIMITED

BATTERY SPECIFICATION

Part Number	DNK 3062109
Nominal Voltage	3.7 V
Nominal Capacity	2000 mAh
Internal Impedence	<60mΩ
Charge Voltage	4.2V
Recommended Charge Current	0.2 C
Allowed Max Charge Current	0.5 C
Output Voltage Range	4.2 - 2.5 V
Recommended Discharge Current	0.2 C
Max Continuous Discharge Current	1 C
Pulse Discharge Current	3 C (10 mS)
Discharge Cut-off Voltage	2.5± 0.05V
Cycle Life to 80% Health	500 (0.2C, 25°C)

1

1 YEAR WARRANTY



Item	Parameter (mm)
T	3
W	62
M	10
L	109
L_1	111
BL	111 ± 1
CL	100

ENVIRONMENTAL SPECIFICATIONS

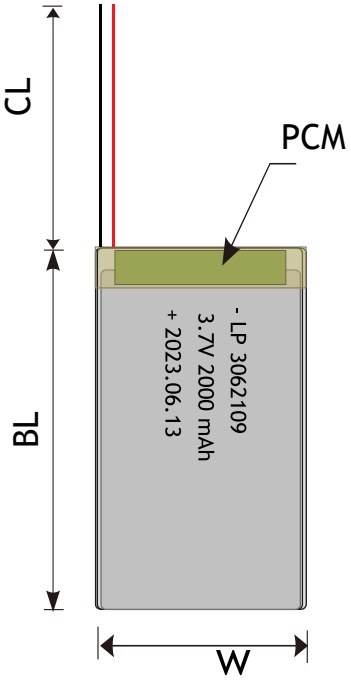
Charging Temperature Range	0 - 45°C
Discharging Temperature Range	-20 - 60°C
Storage Period 1 Week	-20 - 45°C
Storage Period 1 Month	-10 - 45°C
Storage Period 6 Months	0 - 35°C

BATTERY PROTECTION

Over Charge	4.275 ± 50mV
Over Discharge	2.5V ± 50mV
Over Current	3A to 5A
Short Circuit	Yes

MECHANICAL SPECIFICATIONS

Dimensions	111x 62 x 3 mm(L*W*T)
Weight	33 g
Battery Terminals	WC/ FL *



CERTIFICATION

Certification Approval	PLEASE CONSULT SALES

* WC=With Connector FL=Flying Leads UWP=Blue Wrapped PVC BWP=Black Wrapped PVC BC= Bare Cell

BULK PRODUCTION ACTUAL PICTURES



BARE CELL (BC)



FLYING LEADS (FL)



WITH CONNECTOR (WC)



BLUE WRAPPED PVC (UWP)



BLACK WRAPPED PVC (BWP)

3.7V LIPO BATTERY OPTIONS



Special Ingredients to make batteries work from -40 -85 ° C



Discharging Current up to 100C



Popular JST,Molex,Hirose,Anderson available



LED Power Indicator

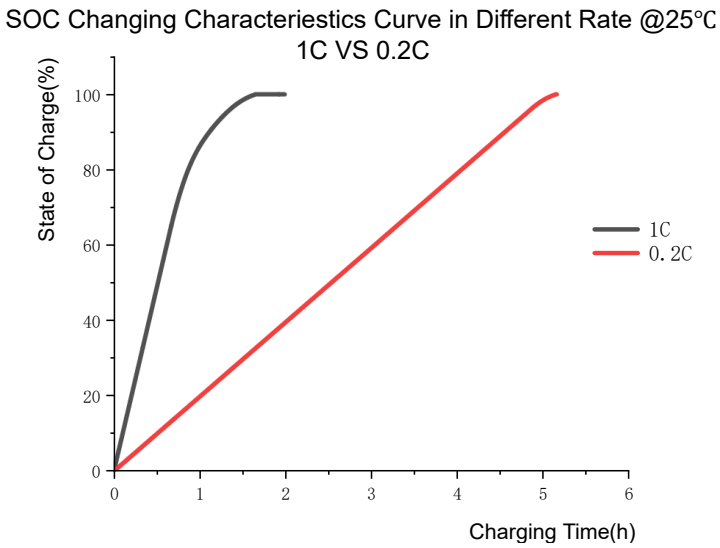


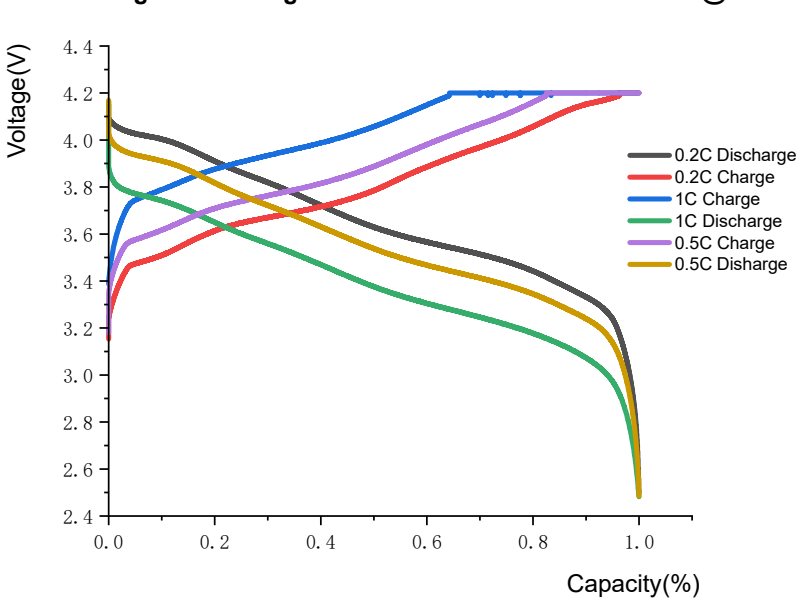
Power Button



Upgrade to LifePo4 tech and life circle up to 1500

RELATIVE CURVES





ANNOUNCEMENT

- Do not inhale the smoke/fumes of a LiPo battery that is on fire. The smoke is toxic. Leave the area and call 911.
- Always use a balancer board to charge LiPo Battery with more than 1 cell.
- Use low voltage cutoff switch or monitor battery voltage while in use on equipment. Do not allow voltage to drop below 3.0 volts.
- Ensure that you choose a regular and reputable supplier before purchasing.
- Do not discharge a LiPo battery at a rate exceeding the maximum continuous discharge current specified for it. Otherwise, the battery will overheat and result in battery deterioration, bursting, ballooning, or possibly cause a fire or explosion.
- Protect from the frost, and also temperatures above 60 degrees Centigrade. Batteries should never be in the sun, on hot surfaces.
- Do not fully discharge your LiPo battery pack. Discharging a LiPo beyond it’s critical minimum voltage (often 3.0v) can cause damage to the battery.
- Do not expose the battery to strong acids or alkalis.
- Do not expose the battery to high temperatures to avoid overheating.
- Although protective electronics built into the battery should prevent overcharging, such a battery management system can fail- for example if the charger is not suitable and thus unattended charging is always a source of danger.
- Ensure that you purchase the right type and size of battery that matches the requirements of your equipment.