3.7V Lithium Polymer Battery Data Sheet

Model: 4049104

Please Find More:

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

File Number: A/FP49104-19988

File Version: 01

CONTACT

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

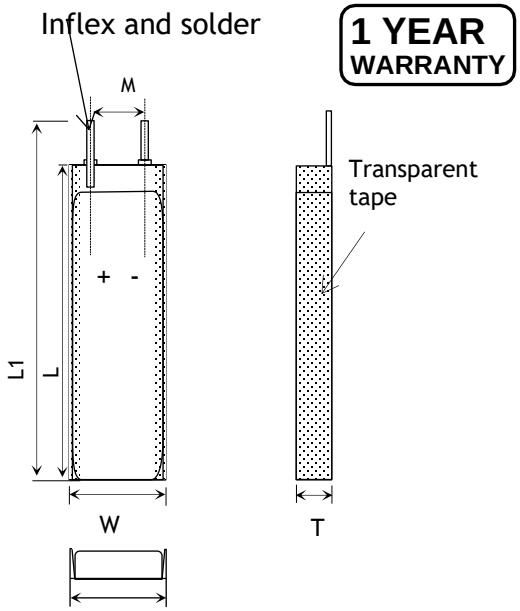
LEARN MORE ON:
https://www.fpbattery.com/

DNK POWER COMPANY LIMITED

BATTERY SPECIFICATION

Part Number	DNK 4049104
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 YEAR WARRANTY



Item	Parameter (mm)
T	4
W	49
M	10
L	104
L_1	106
BL	106 ± 1
CL	100

ENVIRONMENTAL SPECIFICATIONS

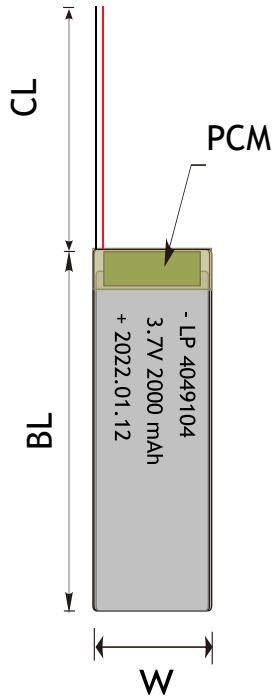
Charging Temperature Range	0 - 45°C
Discharging Temperature Range	-20 - 60°C
Storage Period 1 Week	-20 - 45°C
Storage Period 1 Month	-10 - 45°C
Storage Period 6 Months	0 - 35°C

BATTERY PROTECTION

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

MECHANICAL SPECIFICATIONS

Dimensions	106x 49 x 4 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

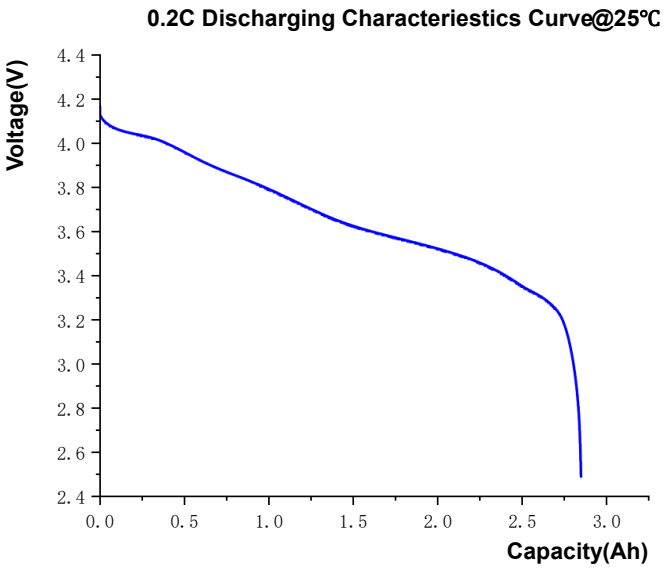
Discharging Current up to 100C

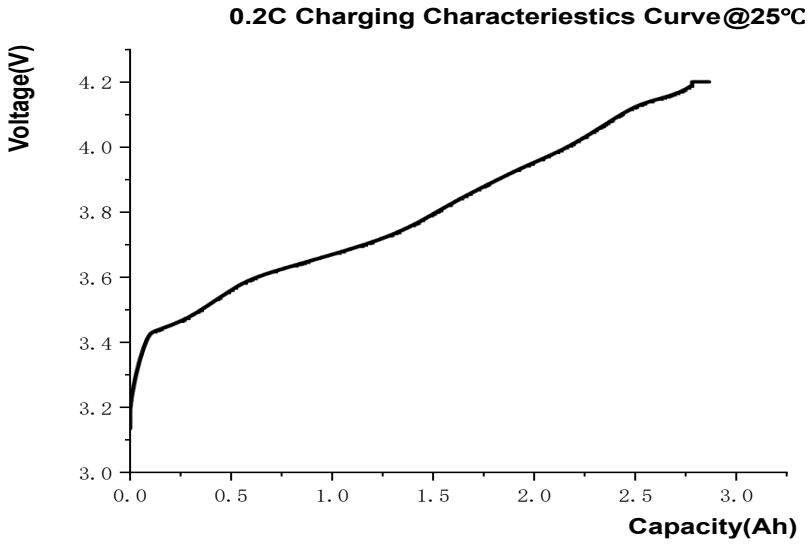
Popular JST,Molex,Hirose,Anderson available

LED Power Indicator

Power Button

Upgrade to LifePo4 tech and life circle up to 1500





RELATIVE CURVES

ANNOUNCEMENT

- Never leave un-attended!
- Never drop this type of battery, it will be deformed and we advise you never to try to charge a deformed battery as this may cause swelling, leakage and even fire.
- Never charge a LiPo battery while it is inside your model or other electronic device. If it catches fire, it can lead to total destruction of the item inside which it is being charged.
- Never leave un-attended!
- Test equipment for short circuits prior to installing batteries.
- Do not disassemble and damage the battery.
- NEVER use water to try and extinguish a LiPo fire. Water acts like petrol on a LiPo battery fire.
- Store LiPo batteries at room temperature between 5°C and 27°C (40°F and 80°F) for best results. The lower the temperature the better.
- Do not store batteries with metal.
- Do not place the battery on flammable materials near a fire source.
- The cells shall never be soaked with liquids such as water, seawater drinks such as soft drinks, juices coffee or others.