3.7V Lithium Polymer Battery Data Sheet

Model: 3549104

Please Find More:

https://www.fpbattery.com/3-7v-1800mah-lithium-polymer-battery/

File Number: A/FP49104-19989

File Version: 01

CONTACT

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

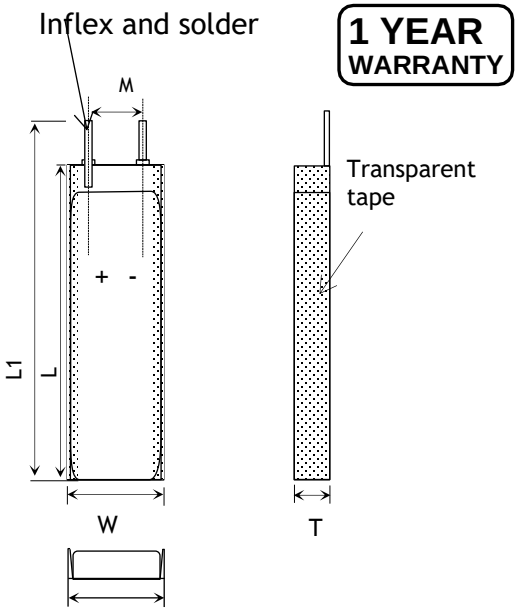
LEARN MORE ON:
https://www.fpbattery.com/

DNK POWER COMPANY LIMITED

BATTERY SPECIFICATION

Part Number	DNK 3549104
Nominal Voltage	3.7 V
Nominal Capacity	1800 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)

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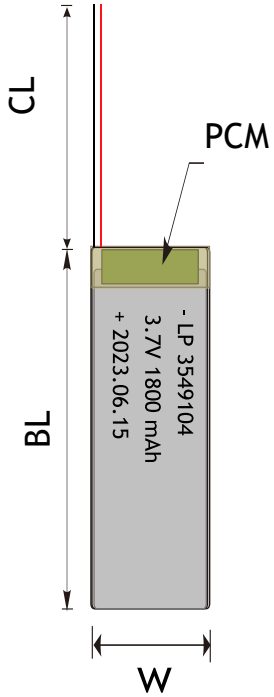
Item	Parameter (mm)
T	3
W	49
M	10
L	104
L_1	106
BL	106 ± 1
CL	100

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 3 mm(L*W*T)
Weight	30 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

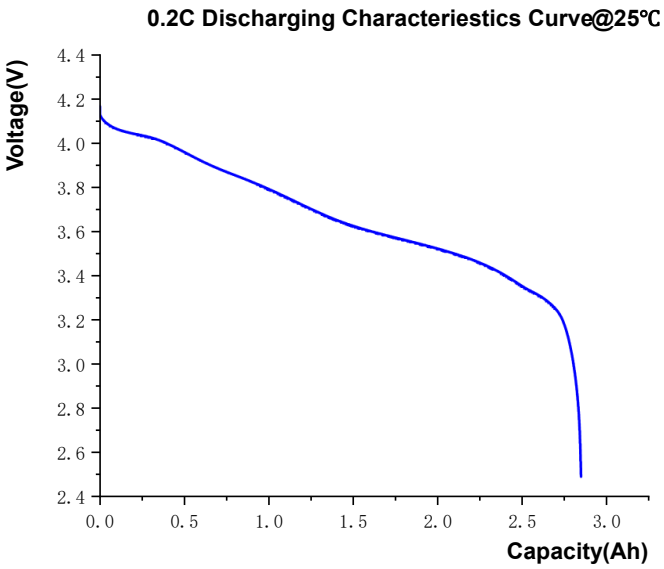
Discharging Current up to 100C

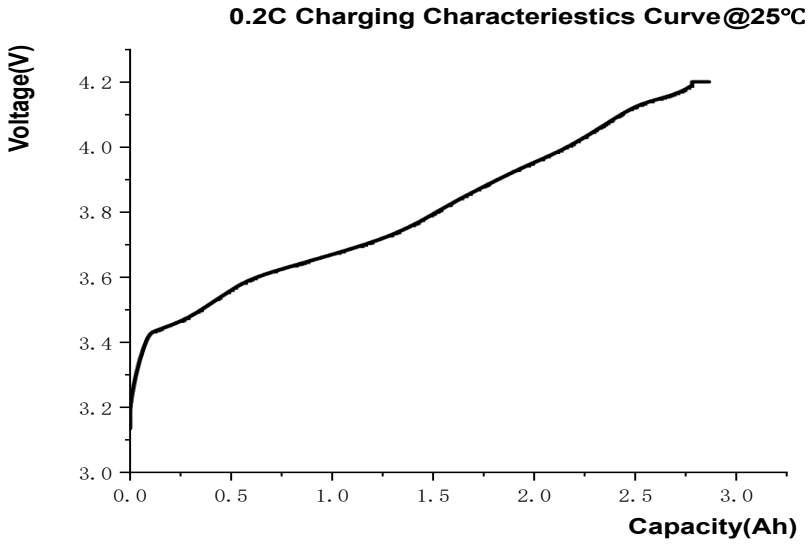
Popular JST,Molex,Hirose,Anderson available

LED Power Indicator

Power Button

Upgrade to LifePo4 tech and life circle up to 1500





RELATIVE CURVES

ANNOUNCEMENT

- Keep Lipo batteries away from heal! And direct sunlight, and do not Store ma car during hot weather. Never use a Lipo that is leaking or gives off a strong odor, or has been damaged many way.
- Store Li-Ion batteries and devices in dry, cool locations and in fire-resistant containers.
- Make sure the battery is fully charged before use.
- NEVER continue to charge a device or a battery after it is fully charged, unless the manufacturer’s instructions for the charger and the battery specifically state that it is allowed.
- If you start seeing any physical changes to the battery while discharging example puffing, STOP charging immediately and dispose of the battery responsibly.
- Reacting and leaking batteries are considered hazardous waste. Please consult Emergency Procedures below.
- Pay attention to the positive and negative connections of the battery to ensure proper connection.
- Short circuits may cause fire and injury! If you plan to cut the battery’s terminal wires, you must cut each wire individually, making sure the wires not to touch each other. Otherwise, a short circuit may occur and potentially cause a fire. If you accidentally cause the battery to short circuit, place it in a safe space and observe it for at least 15 minutes. The battery may swell or possibly catch fire during this time. Additionally, the powerful electric current may cause severe injuries if the battery leads come in contact with rings or jewelry. Dispose of used or damaged LiPo batteries at your local Hazardous Waste Facility or Recycling Center.
- Ensure that all cells in a battery maintain the same voltage across all cells at all times.
- ALWAYS use the charging cord supplied with the device (or only use a replacement charging cord that is specified by the device manufacturer to bean

approved alternative).

- The battery must be protected against shocks and splashing of materials from outside the model.