3.7V Lithium Polymer Battery Data Sheet

Model: 304384

Please Find More:

https://www.fpbattery.com/3-7v-1000mah-lithium-polymer-battery/

File Number: A/FP4384-18780

File Version: 01

CONTACT

CUSTOMER SERVICE
86.755.3682.7358
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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 304384
Nominal Voltage	3.7 V
Nominal Capacity	1080 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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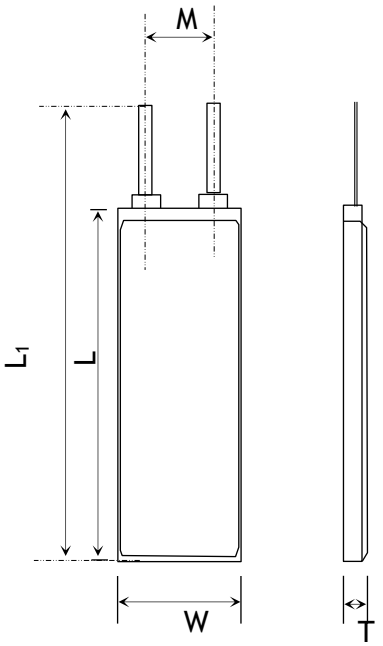
1 YEAR WARRANTY



Item	Parameter (mm)
T	3
W	43
M	10
L	84
L_1	86
BL	86 ± 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

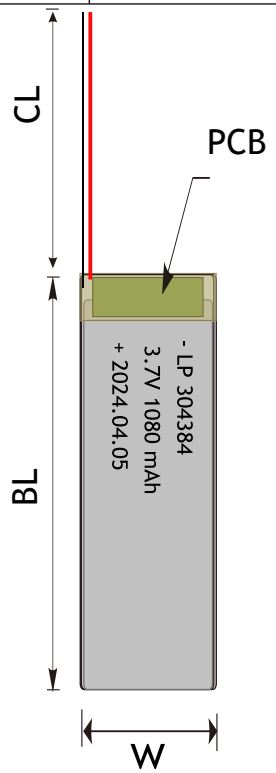
MECHANICAL SPECIFICATIONS

Dimensions	86x 43 x 3 mm(L*W*T)
Weight	Around 18 g
Battery Terminals	WC/ FL *

CERTIFICATION

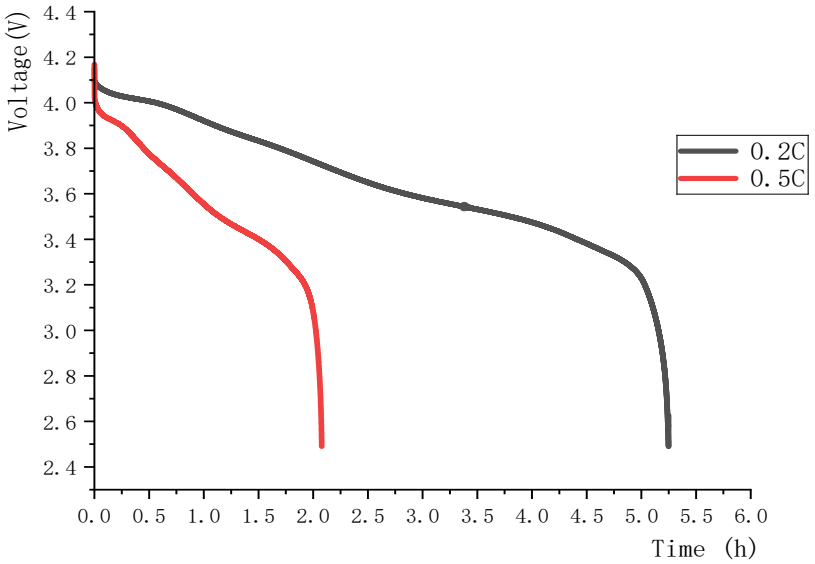
Certification Approval	PLEASE CONSULT SALES

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

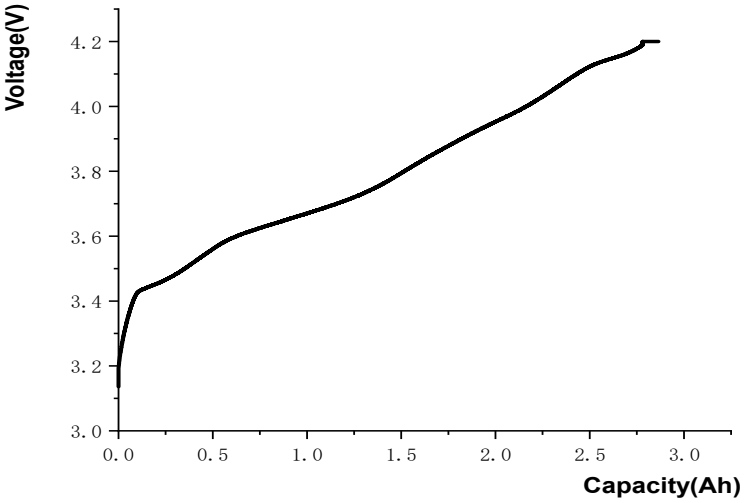


RELATIVE CURVES

Discharge Characteriestics Curve in Different Rate@25℃



0.2C Charging Characteriestics Curve@25℃



ANNOUNCEMENT

- 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.
- Avoid bending or twisting the battery.
- Let batteries cool down prior to charging.
- Always check that batteries are physically and electrically undamaged before charging or discharging.
- 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.
- Do not use batteries with physical damage, such as dented, cracked or leaking batteries.
- The battery must be installed in the model on a flat surface.
- If your skin or eyes come into contact with liquid from the battery, rinse thoroughly and notify a medical service for expert advice.
- NEVER use water to try and extinguish a LiPo fire. Water acts like petrol on a LiPo battery fire.
- Use a dedicated lithium polymer battery charger and ensure that it meets the charging requirements of the battery.
- If you start seeing any physical changes to the battery while charging example puffing, STOP charging immediately and dispose of the battery responsibly.