3.7V Lithium Polymer Battery Data Sheet

Model: 404981

Please Find More:

https://www.fpbattery.com/3-7v-1600mah-lithium-polymer-battery/

File Number: A/FP4981-14823

File Version: 01

CONTACT

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

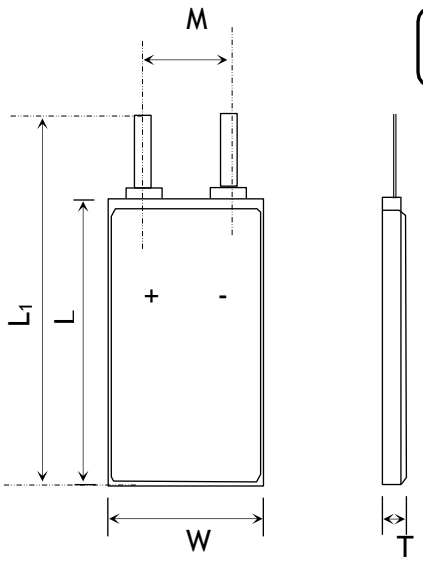
LEARN MORE ON:
https://www.fpbattery.com/

DNK POWER COMPANY LIMITED

BATTERY SPECIFICATION

Part Number	DNK 404981
Nominal Voltage	3.7 V
Nominal Capacity	1600 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	81
L_1	83
BL	83 ± 1
CL	100

ENVIRONMENTAL SPECIFICATIONS

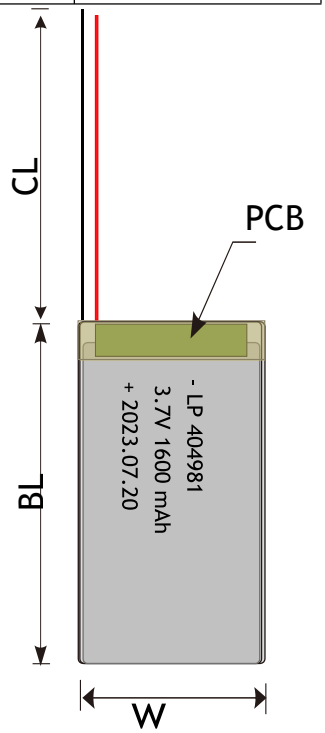
Charging Temperature Range	0 - 45°C
Discharging Temperature Range	-20 - 60°C
Storage Period 1 Week	-20 - 45°C
Storage Period 1 Month	-10 - 45°C
Storage Period 6 Months	0 - 35°C

BATTERY PROTECTION

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

MECHANICAL SPECIFICATIONS

Dimensions	83x 49 x 4 mm(L*W*T)
Weight	Around 26 g
Battery Terminals	WC/ FL *



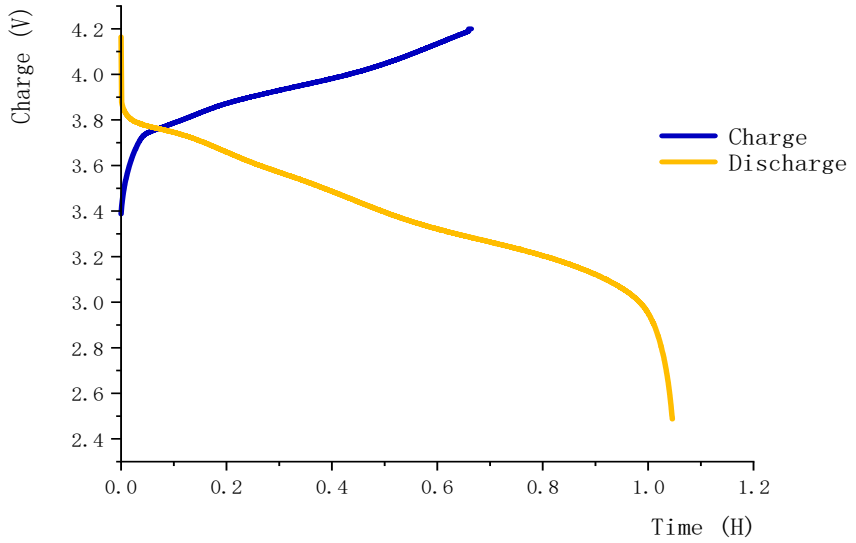
CERTIFICATION

Certification Approval	PLEASE CONSULT SALES

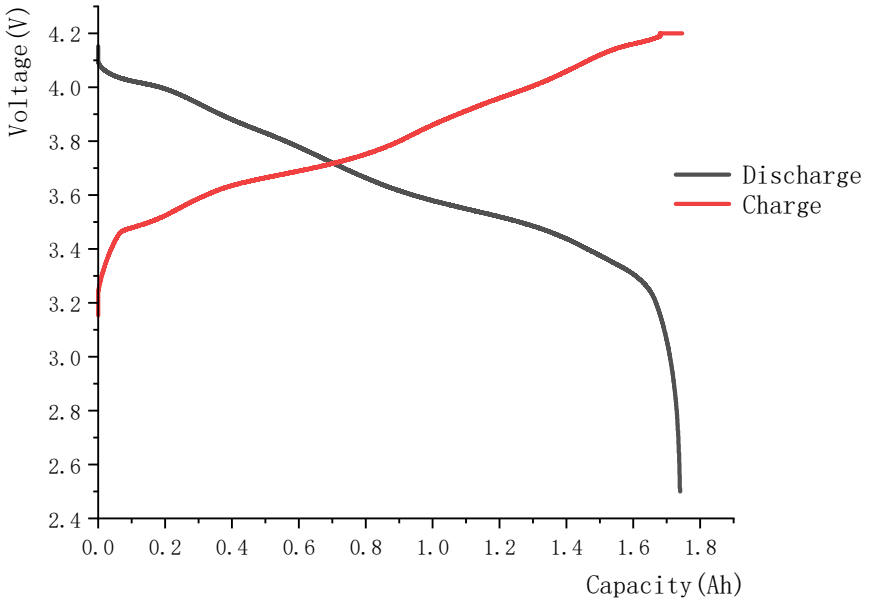
* WC=With Connector FL=Flying Leads UWP=Blue Wrapped PVC BWP=Black Wrapped PVC BC= Bare Cell

RELATIVE CURVES

Discharge Voltage VSCharge Voltage Characteristics Curve@1C,25℃



Discharge VS Charge Characteristics Curve@0.2C 25℃



ANNOUNCEMENT

- Always charge/store Batteries in a non-conductive, fire-proof container or bag.
- Do not charge Lipo batteries inside a car. Do not charge Lipo batteries inside a RC model.
- Never immerse the battery in water or allow it to get wet.
- Inspect batteries weekly. Look for puffed LiPo battery casing. Monitor temperature.
- Do not expose the battery to direct sunlight for extended periods of time.
- Do not store the battery in direct sunlight.
- Use a dedicated lithium polymer battery charger and ensure that it meets the charging requirements of the battery.
- Do not mix batteries of different models or capacities.
- Never use a charger that is NOT specifically designed to charge Lithium Polymer cells.
- Insure LiPo cell balancing cable is connected.
- Set up dedicated charging area. Area must be free of combustible materials. Maintain space between charging batteries.