3.7V Lithium Polymer Battery Data Sheet

Model: 503150

Please Find More:

https://www.fpbattery.com/3-7v-750mah-lithium-polymer-battery/

File Number: A/FP3150-14218

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/

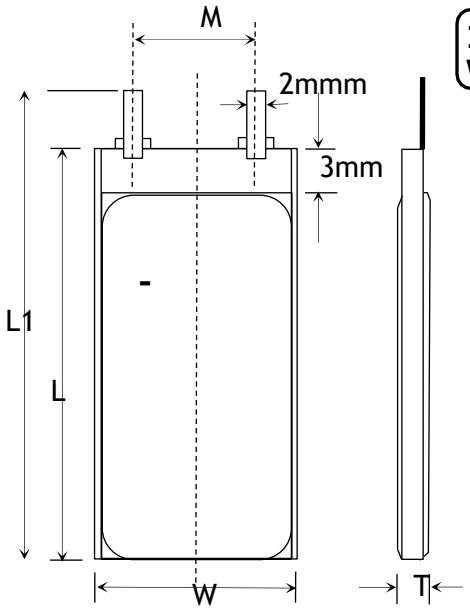
DNK POWER COMPANY LIMITED

BATTERY SPECIFICATION

Part Number	DNK 503150
Nominal Voltage	3.7 V
Nominal Capacity	775 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



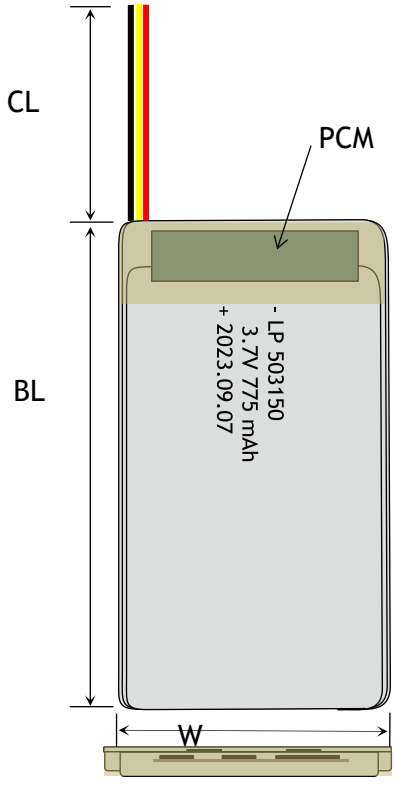
Item	Parameter (mm)
T	5
W	31
M	10
L	50
L_1	52
BL	52 ± 1
CL	100

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	52x 31 x 5 mm(L*W*T)
Weight	Around 12 g
Battery Terminals	WC/ FL *

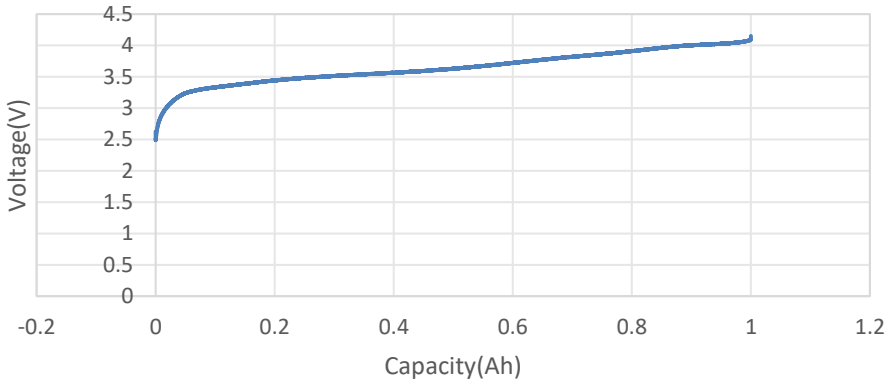
CERTIFICATION

Certification Approval	PLEASE CONSULT SALES

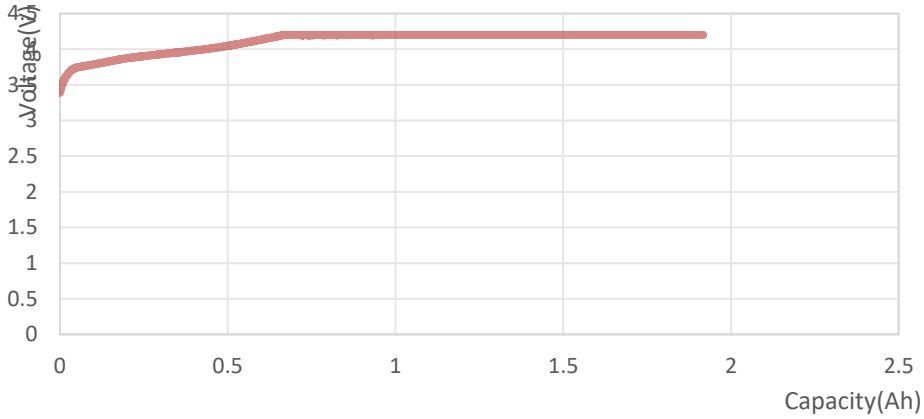
* WC=With Connector FL=Flying Leads UWP=Blue Wrapped PVC BWP=Black Wrapped PVC BC= Bare Cell

RELATIVE CURVES

0.2C Discharge Characteristics Curve



1C Discharge Characteristics Curves



ANNOUNCEMENT

- NEVER extinguish LiPo batteries with water.
- Pay attention to the positive and negative connections of the battery to ensure proper connection.
- DO NOT make or build your own charging circuit.
- Never charge a lithium polymer battery pack that has been punctured or damaged in a crash.
- Then recycle the battery according to the instructions of your country/region. Never dispose of a LIPO battery with domestic waste.
- Always charge/store Batteries in a non-conductive, fire-proof container or bag.
- Set up dedicated charging area. Area must be free of combustible materials. Maintain space between charging batteries.
- Never overcharge Batteries beyond the capacity listed on Batteries labels.
- Before recycling your defective battery, it must be neutralized. Take a plastic container, fill it with water and add a lot of salt until the water becomes opaque. Place the LiPo battery in the water and leave for 24 hours. Check with a voltmeter that the voltage is 0.0V.
- Store in a temperature protected area between 10 and 25 degrees Centigrade
- Obtain container to safely transport LiPo batteries between the labs and use locations. Remove from vehicle once at the destination.