

3.7V Lithium Polymer Battery Data Sheet

Model: 503450

Please Find More:

<https://www.fpbattery.com/3-7v-5500mah-lithium-polymer-battery/>

File Number: A/FP3450-11641

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:

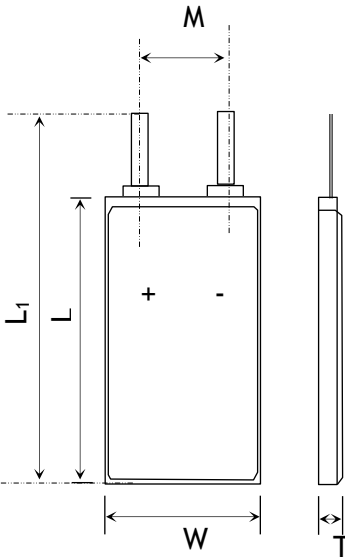
<https://www.fpbattery.com/>

DNK POWER COMPANY LIMITED

BATTERY SPECIFICATION

Part Number	DNK 503450
Nominal Voltage	3.7 V
Nominal Capacity	1000 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	5
W	34
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

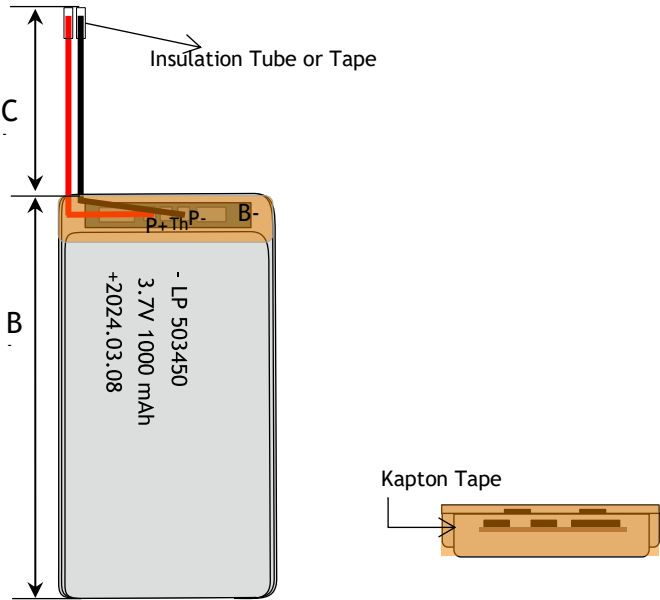
Over Charge	4.275 ± 50mV
Over Discharge	2.5V ± 50mV
Over Current	3A to 5A
Short Circuit	Yes

MECHANICAL SPECIFICATIONS

Dimensions	52x 34 x 5 mm(L*W*T)
Weight	Around 16 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

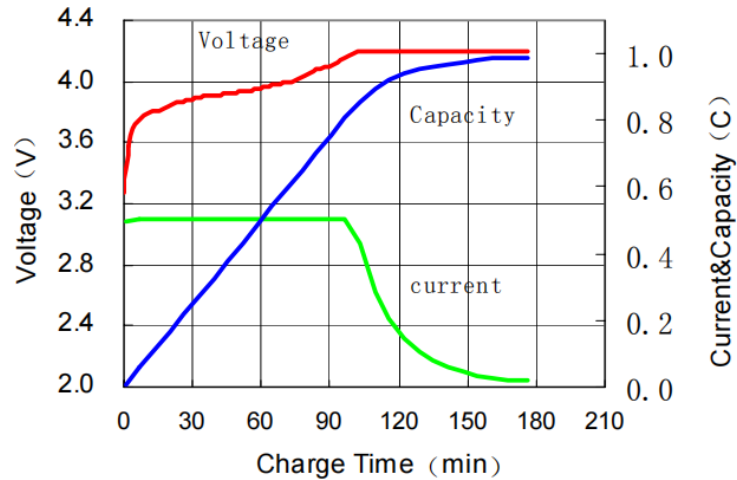


RELATIVE CURVES

Charge Characteristics

Measurement temperature: 25°C

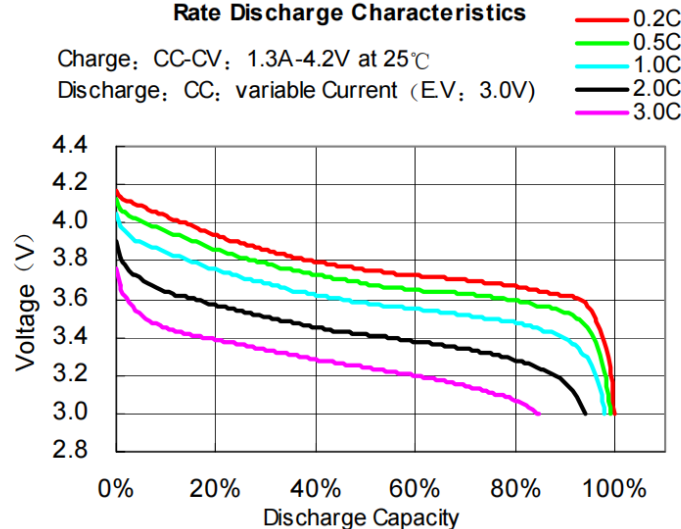
Charge: CC-CV: 1.3A-4.2V



Rate Discharge Characteristics

Charge: CC-CV: 1.3A-4.2V at 25°C

Discharge: CC: variable Current (E.V.: 3.0V)



ANNOUNCEMENT

- Never charge a LiPo battery near an exit. Keep exit egress clear in case of a fire or emergency.
- Double check that the setting for the lithium polymer charger is correct for the pack being charged - this includes the cell count as well as the current settings.
- Do not over-discharge (3.2V per cell)
- Do not touch the battery to materials that are easily conductive.
- Take necessary safety measures to prevent the battery from short-circuiting.
- Never, under ANY circumstances let the positive and negative battery leads touch. This can lead to cell ballooning, cell damage, fire or an explosion. If you notice your LiPo battery pack is swelling, disconnect the charging device immediately. If necessary, put the battery in a non-combustible bucket or container and observe it for 15 minutes.
- Regularly check the battery case for leaks or damage.
- The discharge temperature range is between 32°F (0°C) and 113°F (45°C).
- Do not apply excessive mechanical stress to the battery.
- Storing LiPo batteries at temperatures higher than 170°F (76°C) for more than 2 hours may result in battery damage or possibly fire.
- Never burn, overheat, disassemble, short-circuit, solder, puncture, crush or otherwise mutilate battery packs or cells.