3.7V Lithium Polymer Battery Data Sheet

Model: 503065

Please Find More:

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

File Number: A/FP3065-20265

File Version: 01

CONTACT

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

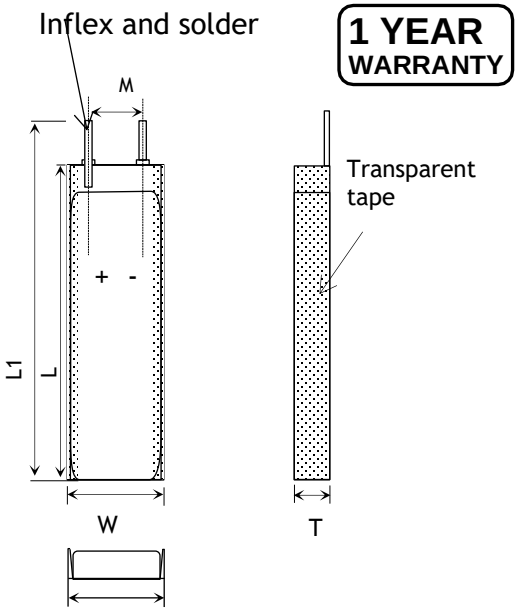
LEARN MORE ON:
https://www.fpbattery.com/

DNK POWER COMPANY LIMITED

BATTERY SPECIFICATION

Part Number	DNK 503065
Nominal Voltage	3.7 V
Nominal Capacity	975 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



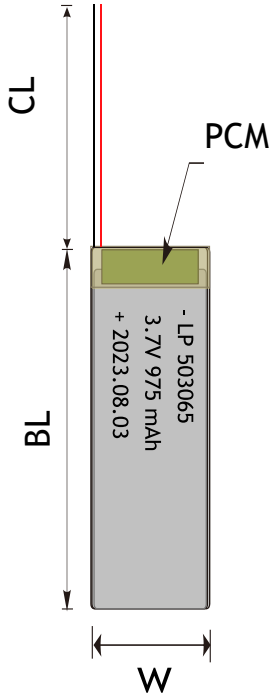
Item	Parameter (mm)
T	5
W	30
M	10
L	65
L_1	67
BL	67 ± 1
CL	100

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	67x 30 x 5 mm(L*W*T)
Weight	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

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

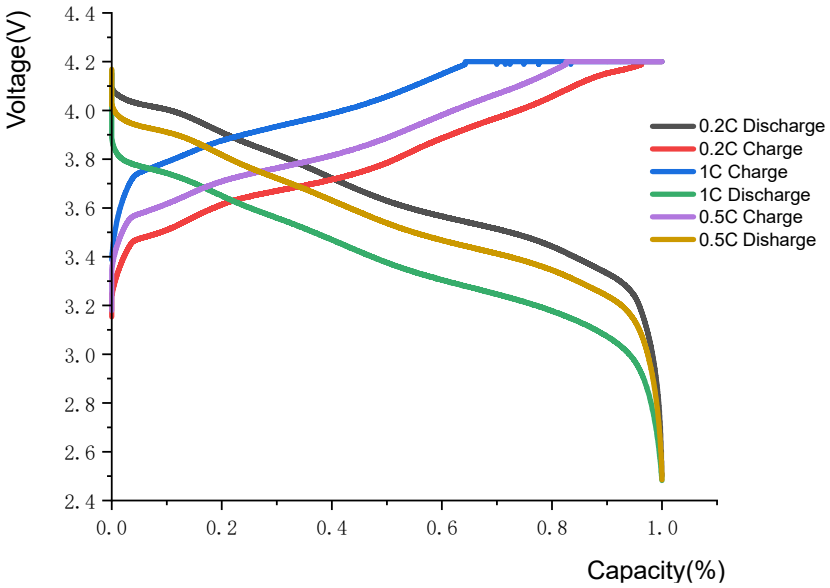
LED Power Indicator

Power Button

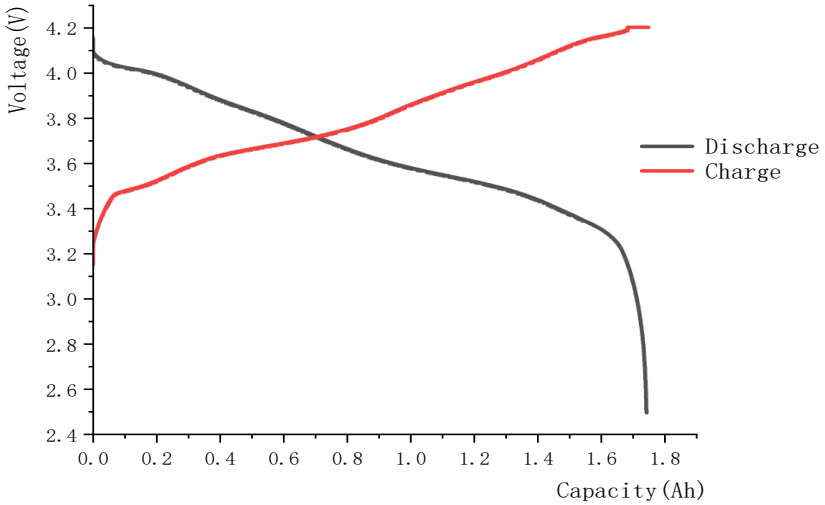
Upgrade to LifePo4 tech and life circle up to 1500

RELATIVE CURVES

Charge & Discharge Characteriestics in different Rate@25℃



Discharge VS Charge Characteristics Curve@0.2C 25℃



ANNOUNCEMENT

- Never drop this type of battery, it will be deformed and we advise you never to try to charge a deformed battery as this may cause swelling, leakage and even fire.
- Never overcharge Batteries beyond the capacity listed on Batteries labels.
- When batteries are transported in a vehicle, temperatures should be higher than 14˚F (-10˚C) but not over 140˚F (60˚C) .
- Dispose of defective Lipos in accordance with local ordinances and in a safe manner.
- ALWAYS evacuate the room or space and notify others to evacuate.
- When using the charger, please monitor the temperature of the charger.
- Avoid prolonged use of the device with a low battery.
- Never charge a LiPo pack that has ballooned or swelled due to over/under charging or from a crash.
- The cells shall never be soaked with liquids such as water, seawater drinks such as soft drinks, juices coffee or others.
- Charge on a non-flammable surface (concrete, ceramic, steel) away from any flammable material
- Regularly check the battery case for leaks or damage.