3.7V Lithium Polymer Battery Data Sheet

Model: 552249

Please Find More:

https://www.fpbattery.com/3-7v-500mah-lithium-polymer-battery/

File Number: A/FP2249-20672

File Version: 01

CONTACT

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

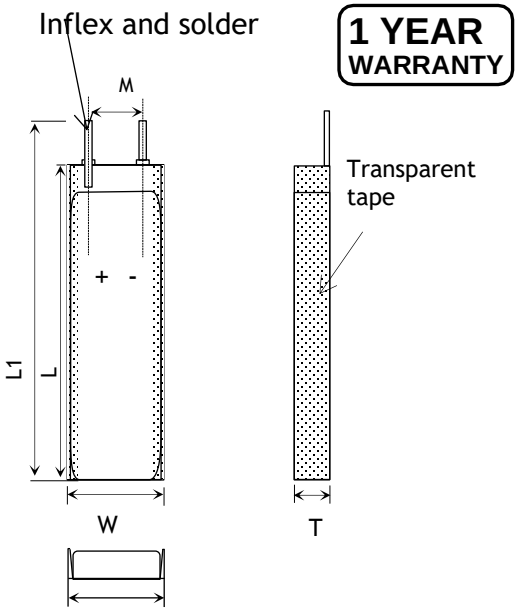
LEARN MORE ON:
https://www.fpbattery.com/

DNK POWER COMPANY LIMITED

BATTERY SPECIFICATION

Part Number	DNK 552249
Nominal Voltage	3.7 V
Nominal Capacity	595 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	22
M	10
L	49
L_1	51
BL	51 ± 1
CL	100

ENVIRONMENTAL SPECIFICATIONS

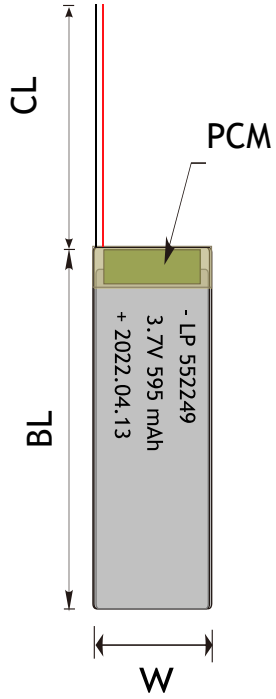
Charging Temperature Range	0 - 45°C
Discharging Temperature Range	-20 - 60°C
Storage Period 1 Week	-20 - 45°C
Storage Period 1 Month	-10 - 45°C
Storage Period 6 Months	0 - 35°C

BATTERY PROTECTION

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

MECHANICAL SPECIFICATIONS

Dimensions	51x 22 x 5 mm(L*W*T)
Weight	9 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

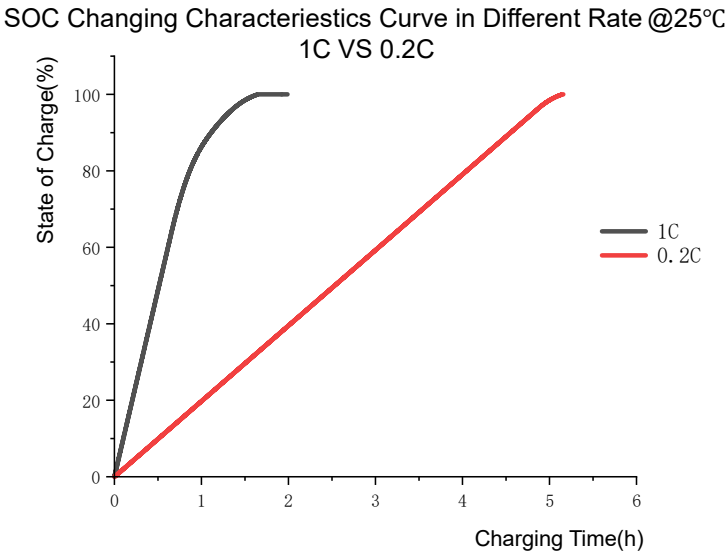


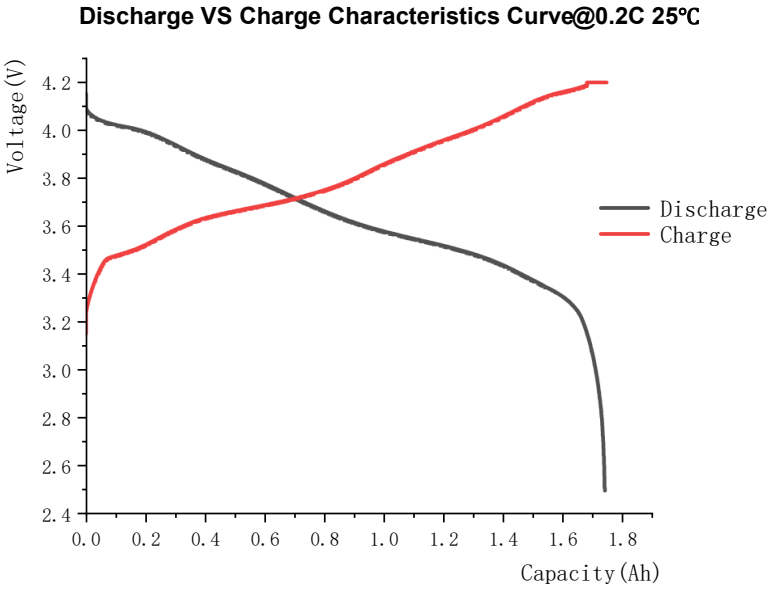
Power Button



Upgrade to LifePo4 tech and life circle up to 1500

RELATIVE CURVES





ANNOUNCEMENT

- Ensure that you choose a regular and reputable supplier before purchasing.
- Store in a temperature protected area between 10 and 25 degrees Centigrade
- Never alter, puncture or impact Batteries or related components.
- 3.6V~3.9V range. Always store your LiPo pack in a safe and non flammable container away from flammable objects.
- Avoid frequent charging and discharging on the way to using the battery.
- Do not vibrate the battery excessively.
- Discharge Lipo Battery at Environmental temperature : -20°C~60°C.
- Inspect batteries weekly. Look for puffed LiPo battery casing. Monitor temperature.
- The battery and all electrical connections must be protected against splashing liquids. Electrical cables and connectors must be protected against accidental tearing.
- Do not plug and unplug the charger while using the battery.
- Ensure that charging leads are connected correctly. Reverse charging can lead to cell damage, fire or explosion.