3.7V Lithium Polymer Battery Data Sheet

Model: 304597

Please Find More:

https://www.fpbattery.com/3-7v-1300mah-lithium-polymer-battery/

File Number: A/FP4597-20221

File Version: 01

CONTACT

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

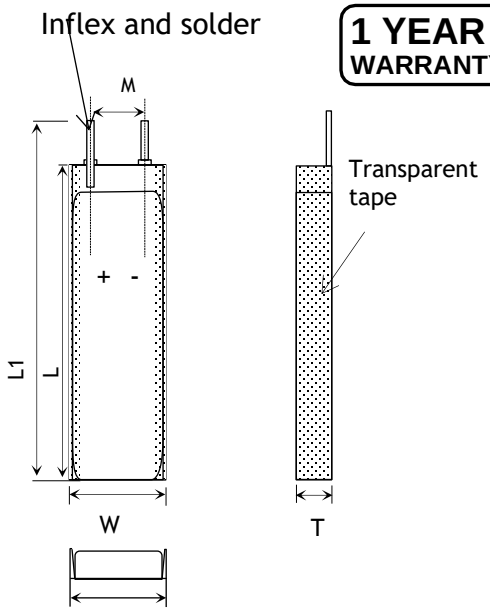
LEARN MORE ON:
https://www.fpbattery.com/

DNK POWER COMPANY LIMITED

BATTERY SPECIFICATION

Part Number	DNK 304597
Nominal Voltage	3.7 V
Nominal Capacity	1300 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	3
W	45
M	10
L	97
L_1	99
BL	99 ± 1
CL	100

ENVIRONMENTAL SPECIFICATIONS

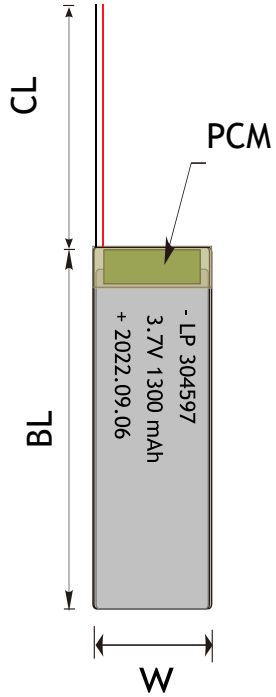
Charging Temperature Range	0 - 45°C
Discharging Temperature Range	-20 - 60°C
Storage Period 1 Week	-20 - 45°C
Storage Period 1 Month	-10 - 45°C
Storage Period 6 Months	0 - 35°C

BATTERY PROTECTION

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

MECHANICAL SPECIFICATIONS

Dimensions	99x 45 x 3 mm(L*W*T)
Weight	21 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

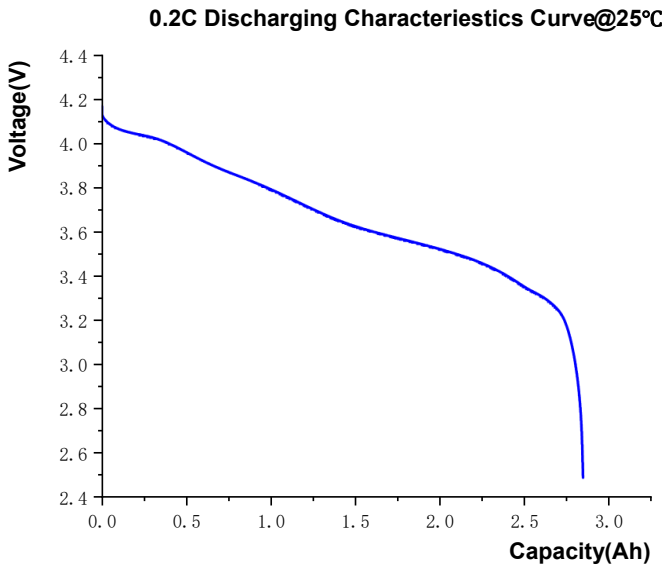
Popular JST,Molex,Hirose,Anderson available

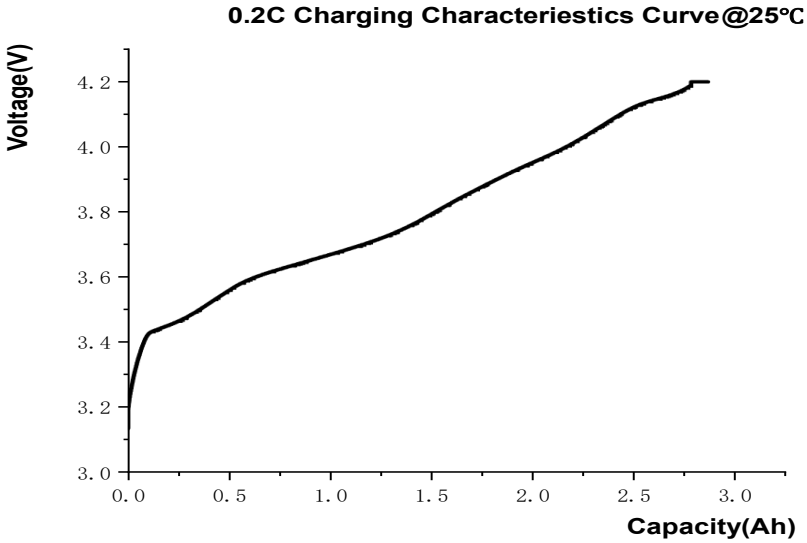
LED Power Indicator

Power Button

Upgrade to LifePo4 tech and life circle up to 1500

RELATIVE CURVES





ANNOUNCEMENT

- Store lithium batteries in a dedicated, vented fire-rated cabinet. Keep combustible materials clear of the cabinet. Label cabinet as containing lithium batteries.
- Avoid placing the battery near sources of ignition.
- Do not use batteries with physical damage, such as dented, cracked or leaking batteries.
- Do not expose LiPo batteries to direct sunlight or leave in a hot environment (inside an automobile in hot weather) for extended periods of time.
- Clean the battery connectors regularly to maintain good contact performance.
- NEVER continue to charge a device or a battery after it is fully charged, unless the manufacturer’s instructions for the charger and the battery specifically state that it is allowed.
- Do not puncture the cells as this could cause a fire.
- ALWAYS store batteries away from any materials that can catch fire.
- Never put LiPo batteries or battery packs in pockets, drawers or bags where they might make contact with something made of metal. This can cause a short circuit.
- Test equipment for short circuits prior to installing batteries.
- Manually check the temperature of your LiPo battery pack constantly during charging. LiPo cells should never rise above ambient temperature when being charged.