3.7V Lithium Polymer Battery Data Sheet

Model: 354270

Please Find More:

https://www.fpbattery.com/3-7v-1000mah-lithium-polymer-battery/

File Number: A/FP4270-15105

File Version: 01

CONTACT

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

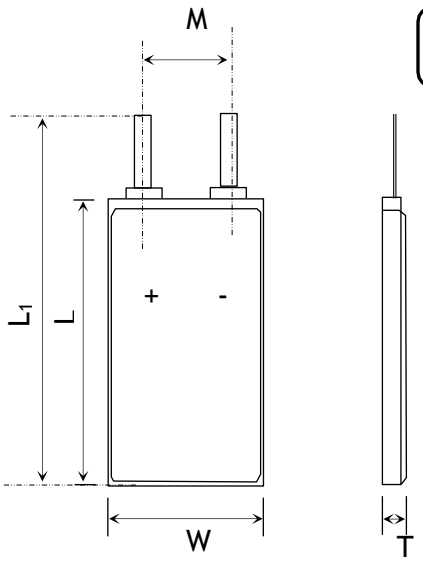
LEARN MORE ON:
https://www.fpbattery.com/

DNK POWER COMPANY LIMITED

BATTERY SPECIFICATION

Part Number	DNK 354270
Nominal Voltage	3.7 V
Nominal Capacity	1030 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	42
M	10
L	70
L_1	72
BL	72 ± 1
CL	100

ENVIRONMENTAL SPECIFICATIONS

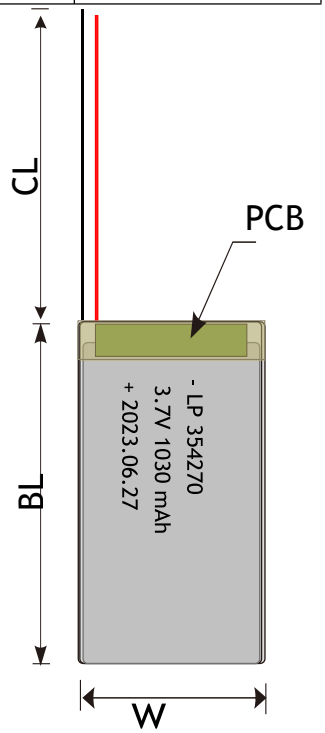
Charging Temperature Range	0 - 45°C
Discharging Temperature Range	-20 - 60°C
Storage Period 1 Week	-20 - 45°C
Storage Period 1 Month	-10 - 45°C
Storage Period 6 Months	0 - 35°C

BATTERY PROTECTION

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

MECHANICAL SPECIFICATIONS

Dimensions	72x 42 x 3 mm(L*W*T)
Weight	Around 17 g
Battery Terminals	WC/ FL *



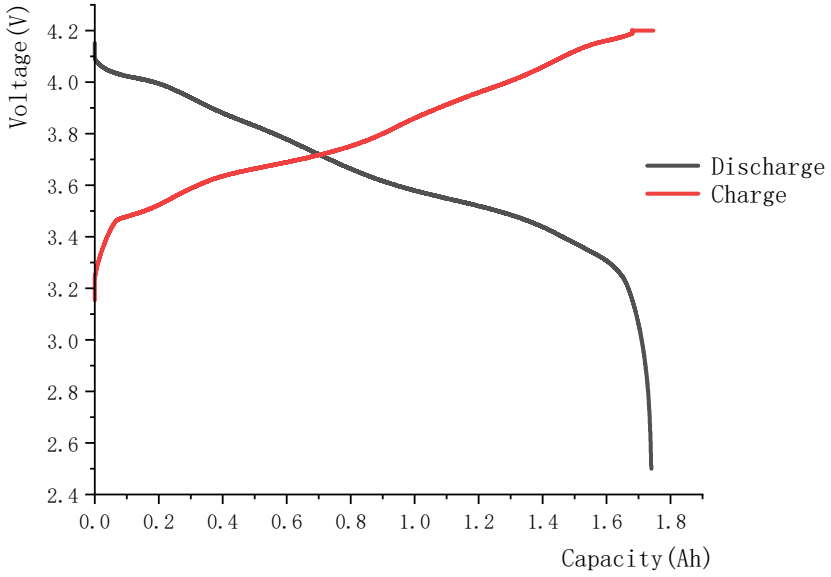
CERTIFICATION

Certification Approval	PLEASE CONSULT SALES

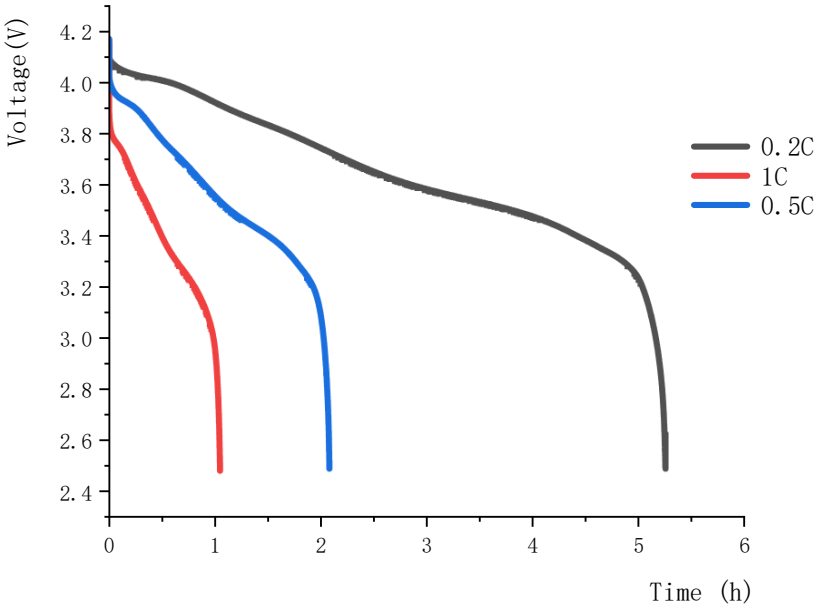
* WC=With Connector FL=Flying Leads UWP=Blue Wrapped PVC BWP=Black Wrapped PVC BC= Bare Cell

RELATIVE CURVES

Discharge VS Charge Characteristics Curve@0.2C 25℃



Discharge Characteriestics Curve in Different Rate@25℃



ANNOUNCEMENT

- LiPo batteries have very specific charging requirements. Some chargers, such as those used for toys or cellphones, are made to charge a specific cell count and are not configurable for other cell counts. The LiPo charger used must be able to handle the cell count of the battery you arecharging.
- ALWAYS close the door to the room or space.
- Never charge a LiPo pack that has ballooned or swelled due to over/under charging or from a crash.
- Before starting work, inspect your battery for signs of damage prior to each use: bulging, hissing, leaking, or smoking. Do not use your battery if it displays any of these characteristics.
- Ensure that all cells in a battery maintain the same voltage across all cells at all times.
- Discharge the battery to 50% before storing it for an extended period of time.
- Always inspect batteries for any signs of damage before use, check for physical damage such as cracks/bulges/indentations . Any battery that has been damaged, dented or pierced should be taken out of service immediately, segregated from other batteries and stored as set out below while awaiting safe disposal. Similarly, damaged goods containing batteries should also be segregated from other material and stored safely to await safe disposal.
- Store in fire protected, separate areas.
- Insulate all battery terminals on batteries to be disposed of.
- 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.