3.7V Lithium Polymer Battery Data Sheet

Model: 403670

Please Find More:

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

File Number: A/FP3670-18663

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 403670
Nominal Voltage	3.7 V
Nominal Capacity	1010 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)

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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

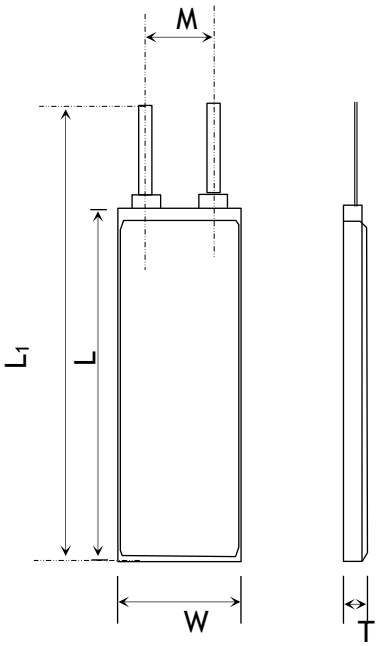
MECHANICAL SPECIFICATIONS

Dimensions	72x 36 x 4 mm(L*W*T)
Weight	Around 16 g
Battery Terminals	WC/ FL *

CERTIFICATION

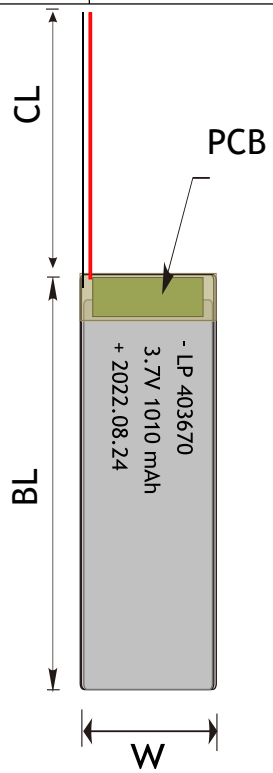
Certification Approval	PLEASE CONSULT SALES

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

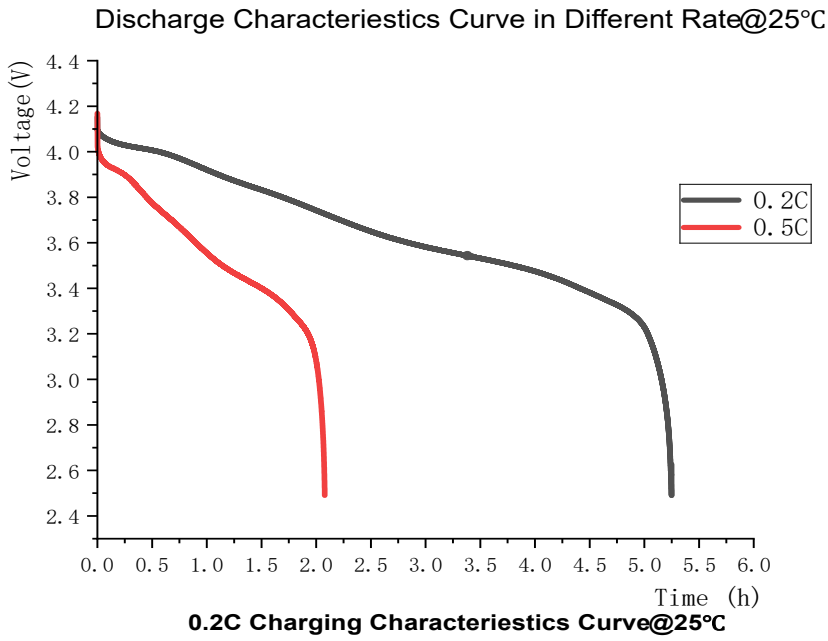


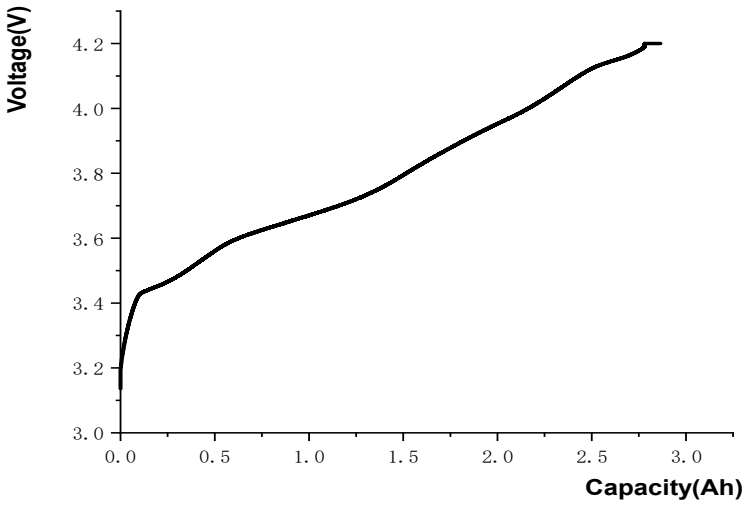
1 YEAR WARRANTY

Item	Parameter (mm)
T	4
W	36
M	10
L	70
L_1	72
BL	72 ± 1
CL	100



RELATIVE CURVES





ANNOUNCEMENT

- Check cell voltage after the first charge to verify that the voltage has not exceeded the maximum charge voltage (Please refer to Chart 1). Check the voltage of each cell via the balance connector to verify that the voltage of each cell has not exceeded the maximum value.
- Avoid purchasing low quality batteries to avoid accidents.
- When batteries are transported in a vehicle, temperatures should be higher than 14˚F (-10˚C) but not over 140˚F (60˚C) .
- NEVER charge batteries at temperatures below 32°F (0°C) or above 105°F (40°C).
- Obtain container to safely transport LiPo batteries between the labs and use locations. Remove from vehicle once at the destination.
- Never keep sharp objects near Lipos. This may cause a hole in the pack and can lead to a fire.
- Read and understand the battery's instruction manual carefully before use.
- Do not over-discharge (3.2V per cell)
- Always charge/store Batteries in a non-conductive, fire-proof container or bag.
- Store lithium batteries in a dedicated, vented fire-rated cabinet. Keep combustible materials clear of the cabinet. Label cabinet as containing lithium batteries.
- Store in fire protected, separate areas.