3.7V Lithium Polymer Battery Data Sheet

Model: 403771

Please Find More:

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

File Number: A/FP3771-18322

File Version: 01

CONTACT

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

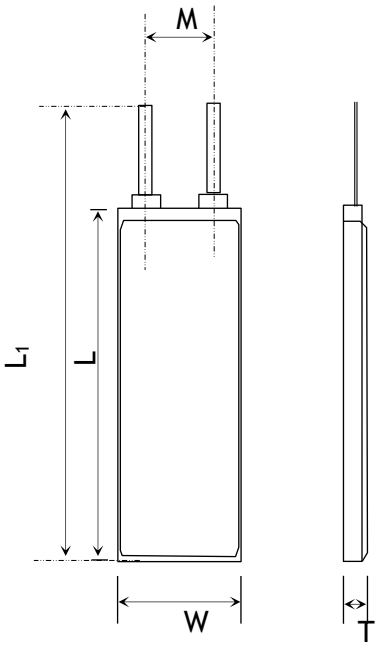
LEARN MORE ON:
https://www.fpbattery.com/

DNK POWER COMPANY LIMITED

BATTERY SPECIFICATION

Part Number	DNK 403771
Nominal Voltage	3.7 V
Nominal Capacity	1050 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	4
W	37
M	10
L	71
L_1	73
BL	73 ± 1
CL	100

ENVIRONMENTAL SPECIFICATIONS

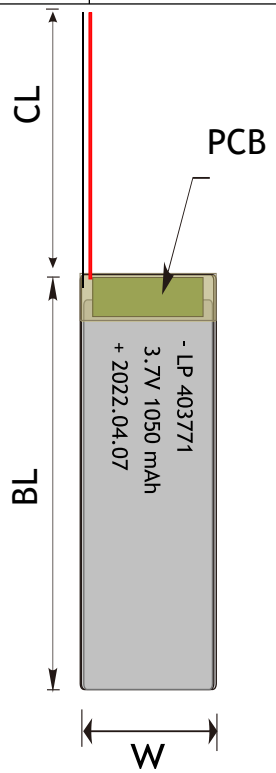
Charging Temperature Range	0 - 45°C
Discharging Temperature Range	-20 - 60°C
Storage Period 1 Week	-20 - 45°C
Storage Period 1 Month	-10 - 45°C
Storage Period 6 Months	0 - 35°C

BATTERY PROTECTION

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

MECHANICAL SPECIFICATIONS

Dimensions	73x 37 x 4 mm(L*W*T)
Weight	Around 17 g
Battery Terminals	WC/ FL *



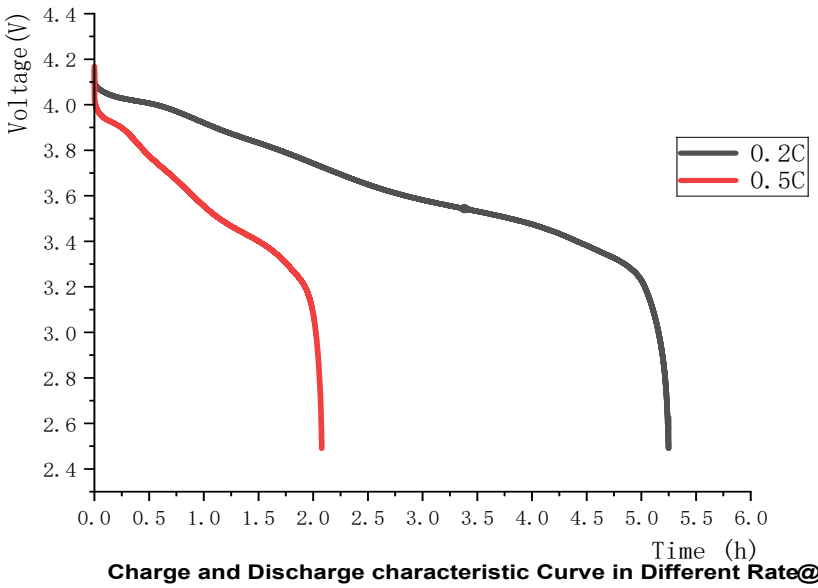
CERTIFICATION

Certification Approval	PLEASE CONSULT SALES

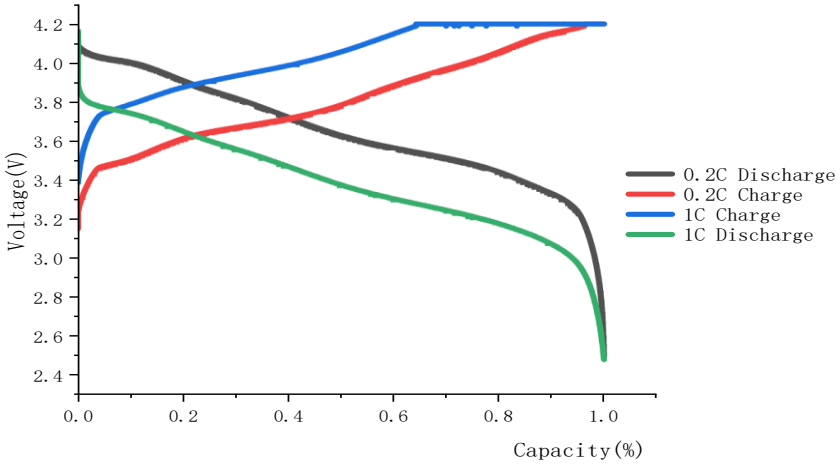
* WC=With Connector FL=Flying Leads UWP=Blue Wrapped PVC
BWP=Black Wrapped PVC BC= Bare Cell

RELATIVE CURVES

Discharge Characteriestics Curve in Different Rate@25℃



Charge and Discharge characteristic Curve in Different Rate@25℃



ANNOUNCEMENT

- Never charge a battery that is still warm after usage, and never use a battery that is still warm from charging.
- Observe the polarities (Negative and Positive). Do not connect them wrongly.
- Obtain infrared thermometer for remote battery temperature monitoring.
- Do not reverse the polarity.
- Although protective electronics built into the battery should prevent overcharging, such a battery management system can fail- for example if the charger is not suitable and thus unattended charging is always a source of danger.
- Do not over-discharge (3.2V per cell)
- ALWAYS purchase and use batteries and devices that are listed or approved by a Nationally Recognized Testing Laboratory, such as Underwriter's Laboratories (UL) or Intertek (ETL).
- Avoid purchasing low quality batteries to avoid accidents.
- Store in a temperature protected area between 10 and 25 degrees Centigrade
- Never leave a battery unattended while charging. During the entire process of charging your LiPo battery, you must constantly observe and monitor the charging process so that you can quickly react to any problems that may occur and to be certain that the battery is being charged properly.
- Never charge a LiPo battery near an exit. Keep exit egress clear in case of a fire or emergency.