3.7V Lithium Polymer Battery Data Sheet

Model: 405166

Please Find More:

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

File Number: A/FP5166-8387

File Version: 01

CONTACT

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

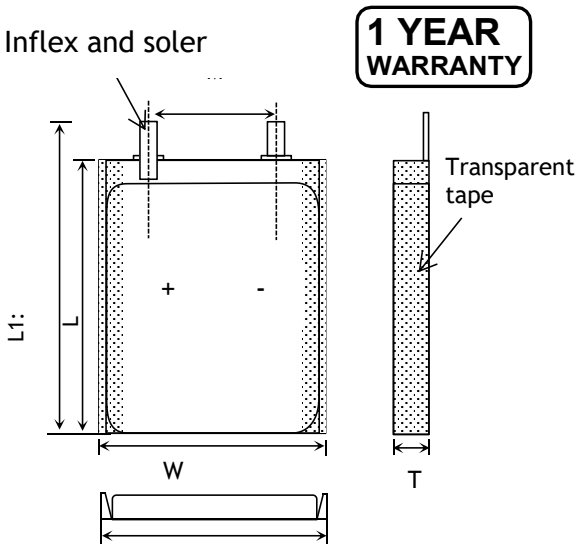
LEARN MORE ON:
https://www.fpbattery.com/

DNK POWER COMPANY LIMITED

BATTERY SPECIFICATION

Part Number	DNK 405166
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



Item	Parameter (mm)
T	4
W	51
M	10
L	66
L_1	68
BL	68 ± 1
CL	100

ENVIRONMENTAL SPECIFICATIONS

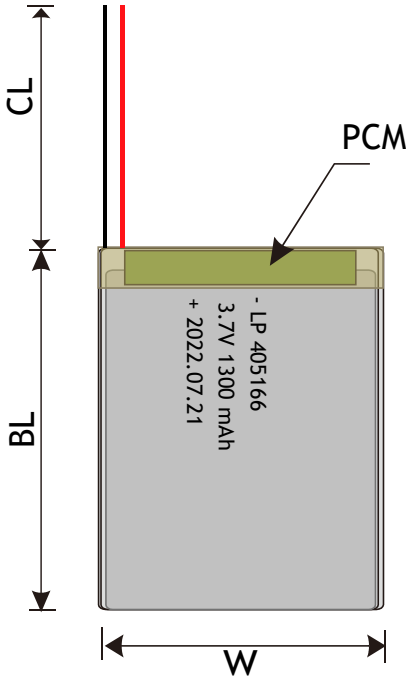
Charging Temperature Range	0 - 45°C
Discharging Temperature Range	-20 - 60°C
Storage Period 1 Week	-20 - 45°C
Storage Period 1 Month	-10 - 45°C
Storage Period 6 Months	0 - 35°C

BATTERY PROTECTION

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

MECHANICAL SPECIFICATIONS

Dimensions	68x 51 x 4 mm(L*W*T)
Weight	21 g
Battery Terminals	WC/ FL *

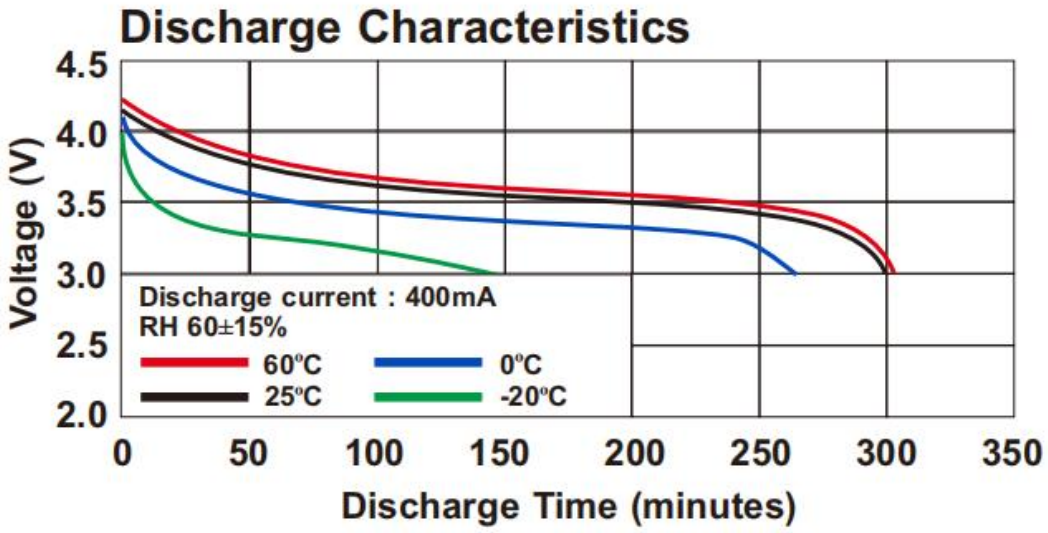


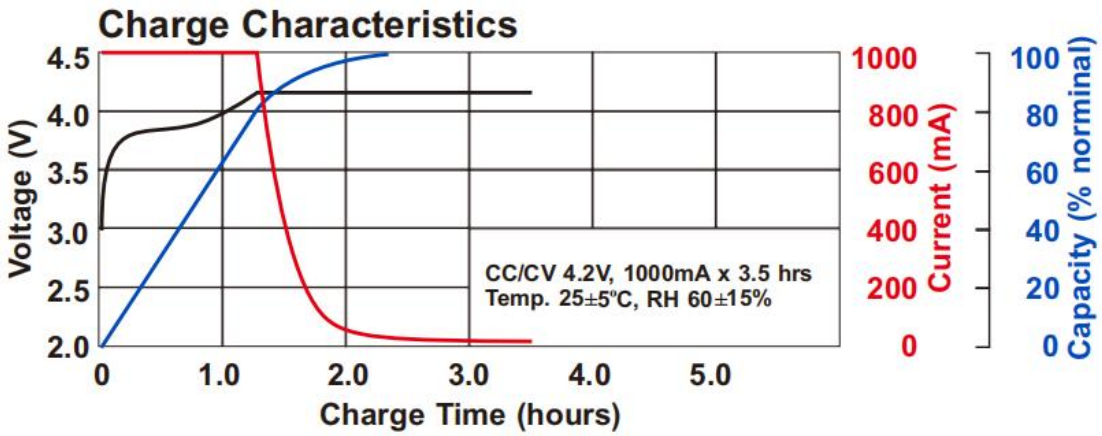
CERTIFICATION

Certification Approval	PLEASE CONSULT SALES

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

RELATIVE CURVES





ANNOUNCEMENT

- Avoid frequent shutdowns and restarts of the device on the way to using the battery.
- Never, under ANY circumstances let the positive and negative battery leads touchThis can lead to cell ballooning, cell damage, fire or an explosion. If you notice your LiPo battery pack is If necessary, put the battery in a non-combustible bucket or container and observe it for 15 minutes . swelling, disconnect the charging device immediately.
- ALWAYS evacuate the building to your unit's designated outside meeting location.
- For systems with multiple batteries, make sure each battery is of the same type and capacity.
- Clean the battery connectors regularly to maintain good contact performance.
- When the battery is empty, recharge it immediately. Do not store an empty battery, the battery will continue to discharge, it will fall below the minimum voltage and become unusable.
- ALWAYS immediately disconnect the charging cord from the wall outlet if batteries or equipment develop heat/smoke, unusual odors, or show evidence of bulging (changes in shape or geometry).
- Do not immerse the battery in water or expose it to moisture.
- Avoid tightening the voltage adjustment knob on the way to use the battery.
- Never store or charge the battery inside your car or in extreme temperatures. Extreme temperatures might ignite the battery and cause fire. 7) Store the battery in a location inaccessible to children. Be sure that children do not remove the battery from the charger or model.
- Never incinerate nor dispose of the cells in a fire. These may cause firing of the cells, which is very dangerous and is prohibited.