3.7V Lithium Polymer Battery Data Sheet

Model: 404050

Please Find More:

https://www.fpbattery.com/3-7v-5500mah-lithium-polymer-battery/

File Number: A/FP4050-7407

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 404050
Nominal Voltage	3.7 V
Nominal Capacity	800 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

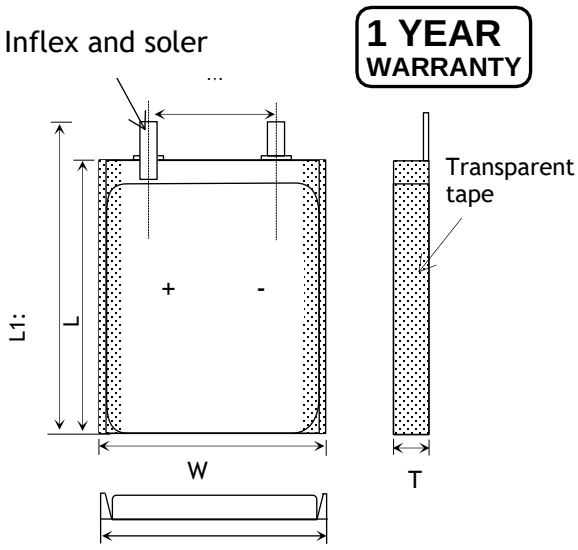
Dimensions	52x 40 x 4 mm(L*W*T)
Weight	13 g
Battery Terminals	WC/ FL *

CERTIFICATION

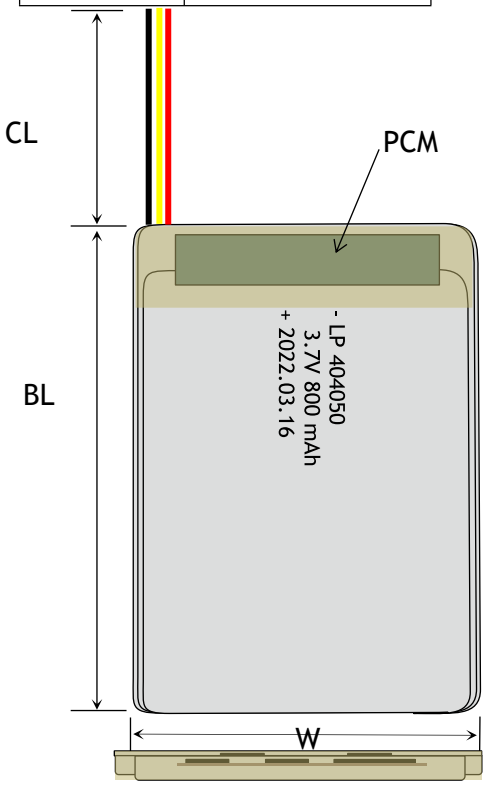
Certification Approval	PLEASE CONSULT SALES

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

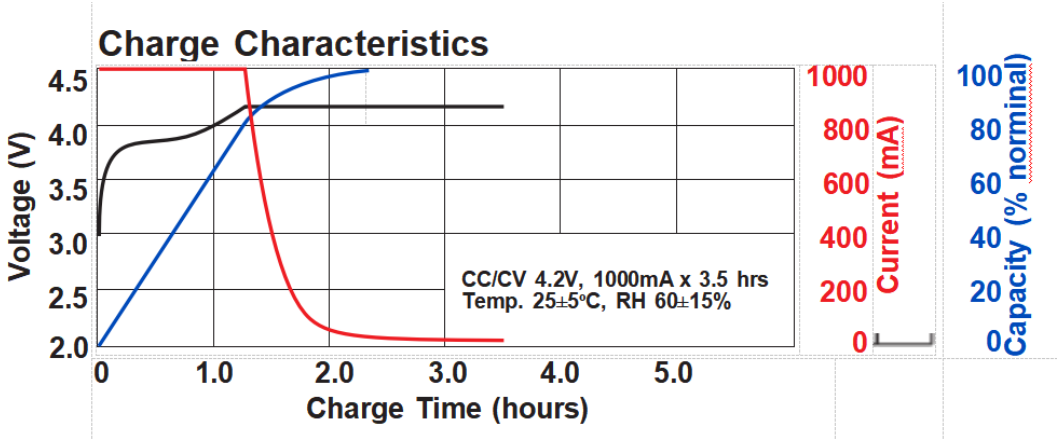
1 YEAR WARRANTY

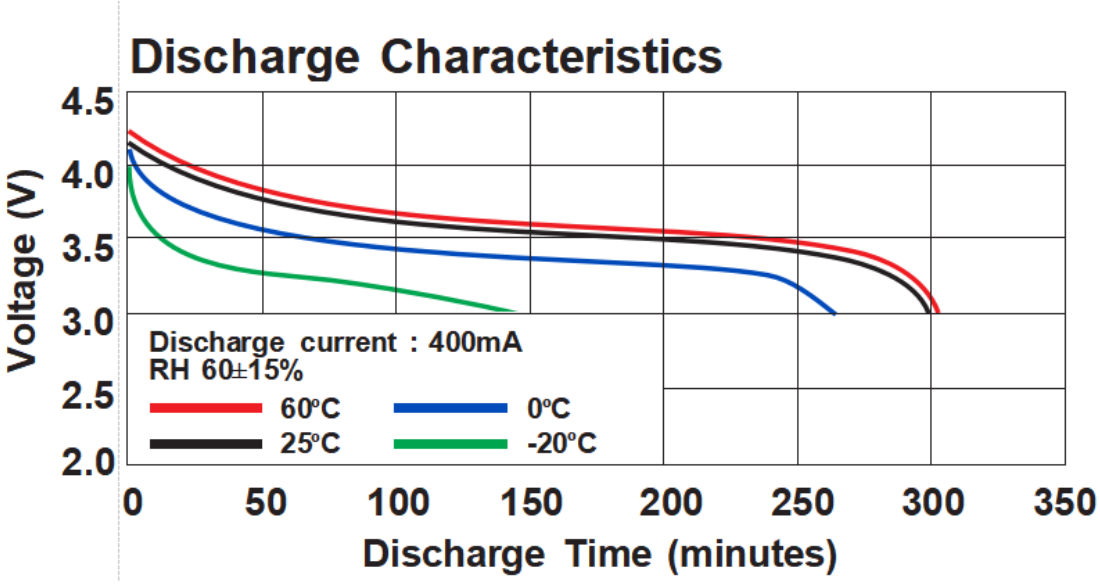


Item	Parameter (mm)
T	4
W	40
M	10
L	50
L_1	52
BL	52 ± 1
CL	100



RELATIVE CURVES





ANNOUNCEMENT

- Never store loose Batteries together, the Batteries' terminals may contact one another causing a short circuit.
- When batteries are transported in a vehicle, temperatures should be higher than 14°F (-10°C) but not over 140°F (60°C) .
- Do not crush or bend the battery.
- If charging indoors, only charge with a smoke detector above where you are charging.
- Always check that batteries are physically and electrically undamaged before charging or discharging.
- If the battery swells during charging, stop charging immediately and disconnect the battery from the charger. Leave the battery outside for a few hours and observe. Then recycle the battery according to the instructions of your country/region.
- Over-charging LiPo batteries will damage them and possibly cause a fire. (above 4.20V per cell is considered overcharged).
- Discharge Lipo Battery at Environmental temperature : -20°C~60°C.
- Do not submit to static electricity risks tAVOID damages to the Protecting Circuit Board.
- Do not store together with fire accelerating products
- Do not use the battery during charging to avoid overheating and safety accidents.