3.7V Lithium Polymer Battery Data Sheet

Model: 406174

Please Find More:

https://www.fpbattery.com/3-7v-1800mah-lithium-polymer-battery/

File Number: A/FP6174-6640

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/

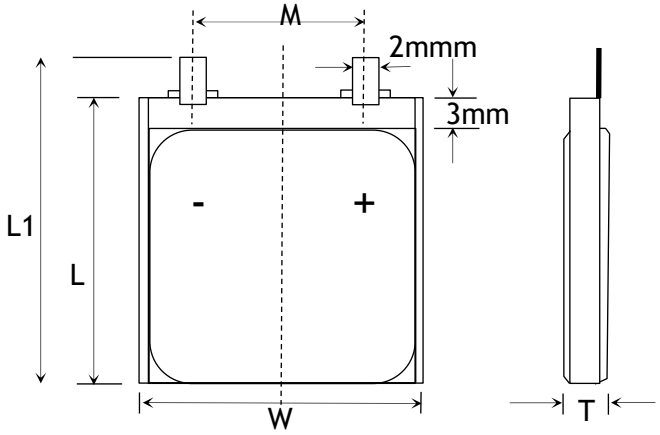
DNK POWER COMPANY LIMITED

BATTERY SPECIFICATION

Part Number	DNK 406174
Nominal Voltage	3.7 V
Nominal Capacity	1800 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

1 YEAR WARRANTY



Item	Parameter (mm)
T	4
W	61
M	10
L	74
L_1	76
BL	76 ± 1
CL	100

ENVIRONMENTAL SPECIFICATIONS

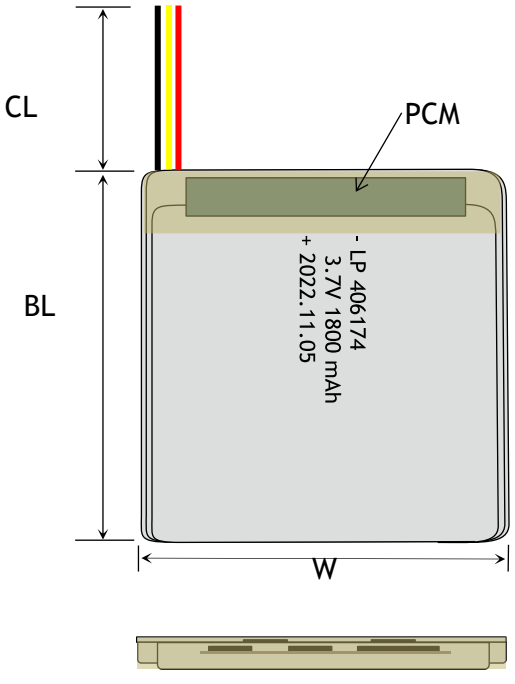
Charging Temperature Range	0 - 45°C
Discharging Temperature Range	-20 - 60°C
Storage Period 1 Week	-20 - 45°C
Storage Period 1 Month	-10 - 45°C
Storage Period 6 Months	0 - 35°C

BATTERY PROTECTION

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

MECHANICAL SPECIFICATIONS

Dimensions	76x 61 x 4 mm(L*W*T)
Weight	Around 30 g
Battery Terminals	WC/ FL *

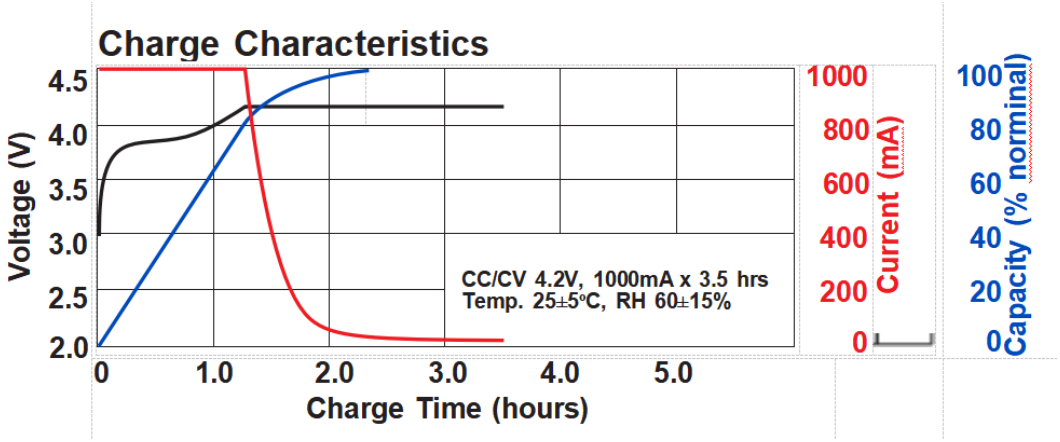


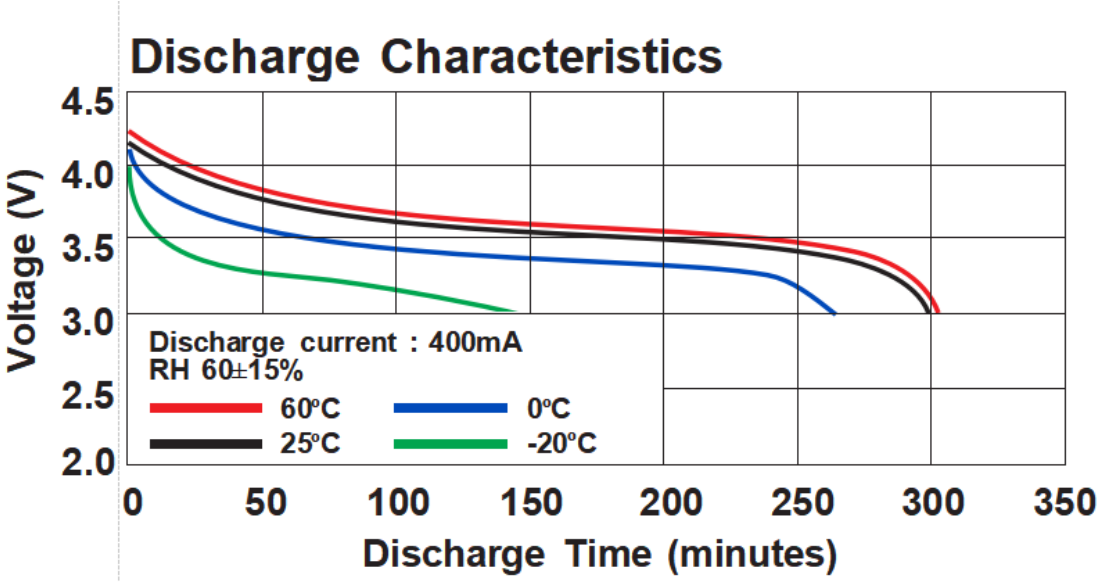
CERTIFICATION

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

- Test equipment for short circuits prior to installing batteries.
- When using the adapter, make sure that the voltage and current requirements are met.
- Do not puncture the cells as this could cause a fire.
- Always use a balancer board to charge LiPo Battery with more than 1 cell.
- Do not carry LiPo batteries in your pocket. They have been known to short against coins and keys and cause fires.
- Connecting the LiPo Battery to the Charger (Read the Charger Instructions)
- Place batteries suspected of being damaged into the emergency battery isolation container and monitor temperature.
- 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.
- If at anytime you notice a cell "puff up", disconnect it immediately and cover it with a fire blanket, or put it in a non-conductive container and place it outside away from all flammable objects for at least 30 minutes as chemical reactions can take this long before a fire starts.
- Use a dedicated lithium polymer battery charger and ensure that it meets the charging requirements of the battery.
- Never burn, overheat, disassemble, short-circuit, solder, puncture, crush or otherwise mutilate battery packs or cells.