3.7V Lithium Polymer Battery Data Sheet

Model: 404875

Please Find More:

https://www.fpbattery.com/3-7v-1400mah-lithium-polymer-battery/

File Number: A/FP4875-13288

File Version: 01

CONTACT

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

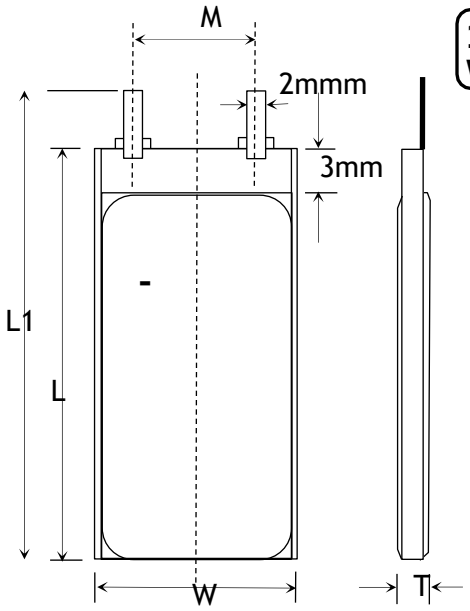
LEARN MORE ON:
https://www.fpbattery.com/

DNK POWER COMPANY LIMITED

BATTERY SPECIFICATION

Part Number	DNK 404875
Nominal Voltage	3.7 V
Nominal Capacity	1400 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	48
M	10
L	75
L_1	77
BL	77 ± 1
CL	100

ENVIRONMENTAL SPECIFICATIONS

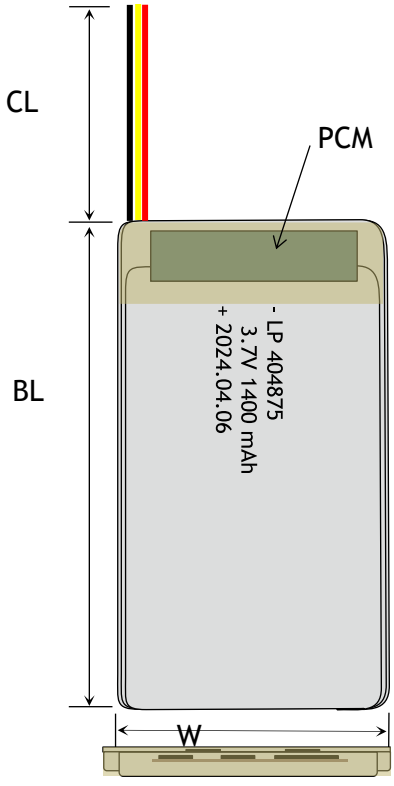
Charging Temperature Range	0 - 45°C
Discharging Temperature Range	-20 - 60°C
Storage Period 1 Week	-20 - 45°C
Storage Period 1 Month	-10 - 45°C
Storage Period 6 Months	0 - 35°C

BATTERY PROTECTION

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

MECHANICAL SPECIFICATIONS

Dimensions	77x 48 x 4 mm(L*W*T)
Weight	Around 23 g
Battery Terminals	WC/ FL *



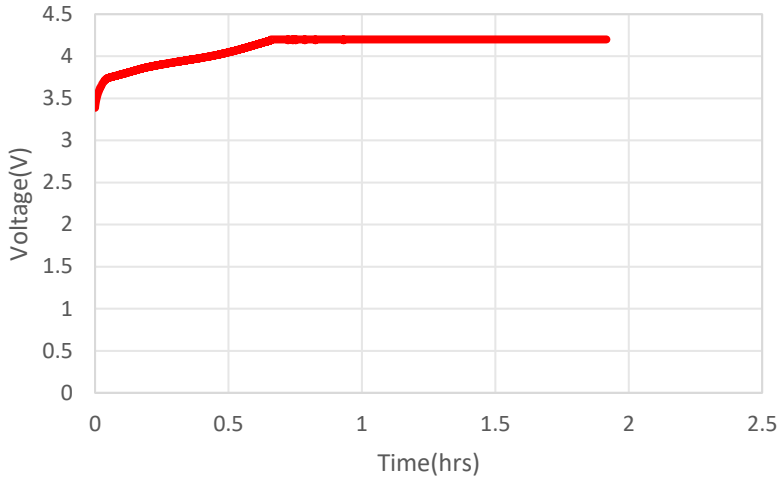
CERTIFICATION

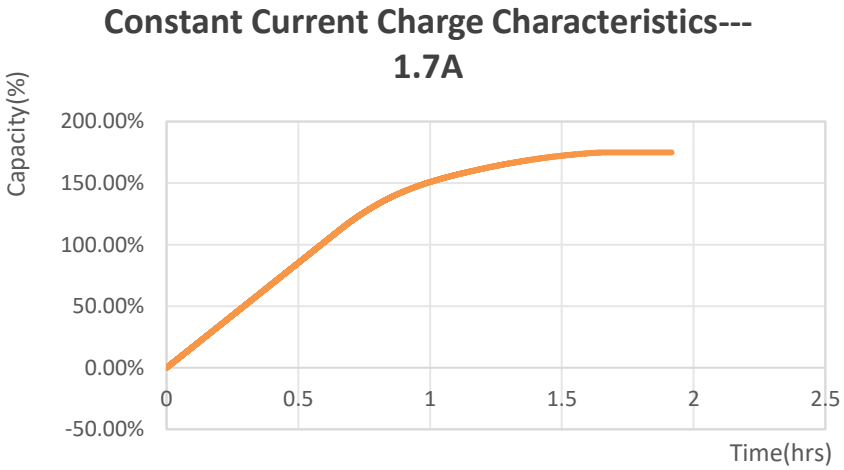
Certification Approval	PLEASE CONSULT SALES

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

RELATIVE CURVES

Constant Current Charge Characteristics---1.7A





ANNOUNCEMENT

- Do not charge dissimilar or un-matched packs in series or parallel with any difference in cell type, cell capacity, manufacturer, age, pack capacity or charge state (+/0.03V per cell). If in any doubt, always charge them separately.
- If the battery develops an abnormal condition, stop using it immediately.
- Never incinerate nor dispose of the cells in a fire. These may cause firing of the cells, which is very dangerous and is prohibited.
- No charging should take place overnight.
- Never drop this type of battery, it will be deformed and we advise you never to try to charge a deformed battery as this may cause swelling, leakage and even fire.
- If you start seeing any physical changes to the battery while charging example puffing, STOP charging immediately and dispose of the battery responsibly.
- Discharging capacity can't exceed 80% of the max capacity after full charging to ensure a good cycle performance
- Do not charge any pack containing one or more damaged or swollen/puffed cell as there is a high risk of a fire. Dispose of them.
- Contact EHRS if LiPo battery packs are to be fabricated in-house.
- Emergency Response and Disposal
- For best practice store standard lipo batteries at 3.80 volts +/.05 volts per cell. Or at the manufacturer's suggested storage voltage for non standard chemistry's