3.7V Lithium Polymer Battery Data Sheet

Model: 405887

Please Find More:

https://www.fpbattery.com/3-7v-2000mah-lithium-polymer-battery/

File Number: A/FP5887-12047

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/

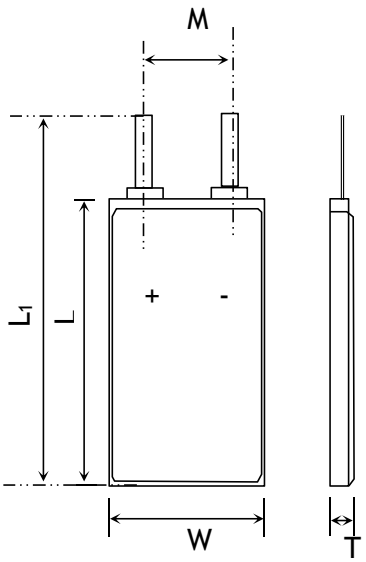
DNK POWER COMPANY LIMITED

BATTERY SPECIFICATION

Part Number	DNK 405887
Nominal Voltage	3.7 V
Nominal Capacity	2000 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	58
M	10
L	87
L_1	89
BL	89 ± 1
CL	100

ENVIRONMENTAL SPECIFICATIONS

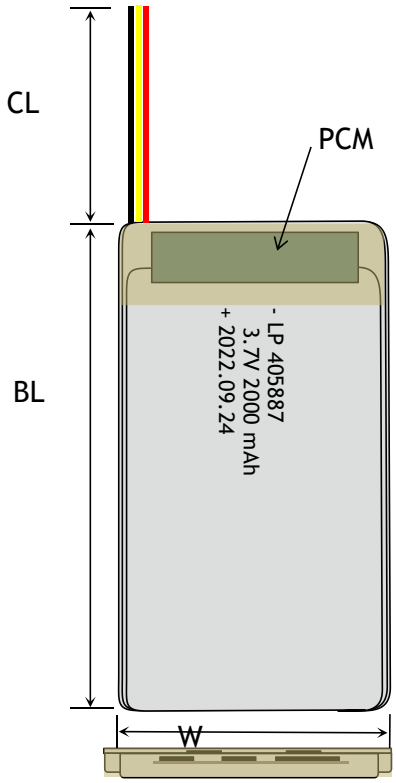
Charging Temperature Range	0 - 45°C
Discharging Temperature Range	-20 - 60°C
Storage Period 1 Week	-20 - 45°C
Storage Period 1 Month	-10 - 45°C
Storage Period 6 Months	0 - 35°C

BATTERY PROTECTION

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

MECHANICAL SPECIFICATIONS

Dimensions	89x 58 x 4 mm(L*W*T)
Weight	Around 33 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

BULK PRODUCTION ACTUAL PICTURES



BARE CELL (BC)



FLYING LEADS (FL)



WITH CONNECTOR (WC)



BLUE WRAPPED PVC (UWP)



BLACK WRAPPED PVC (BWP)

3.7V LIPO BATTERY OPTIONS



Special Ingredients to make batteries work from -40 -85 ° C



Discharging Current up to 100C



Popular JST,Molex,Hirose,Anderson available



LED Power Indicator

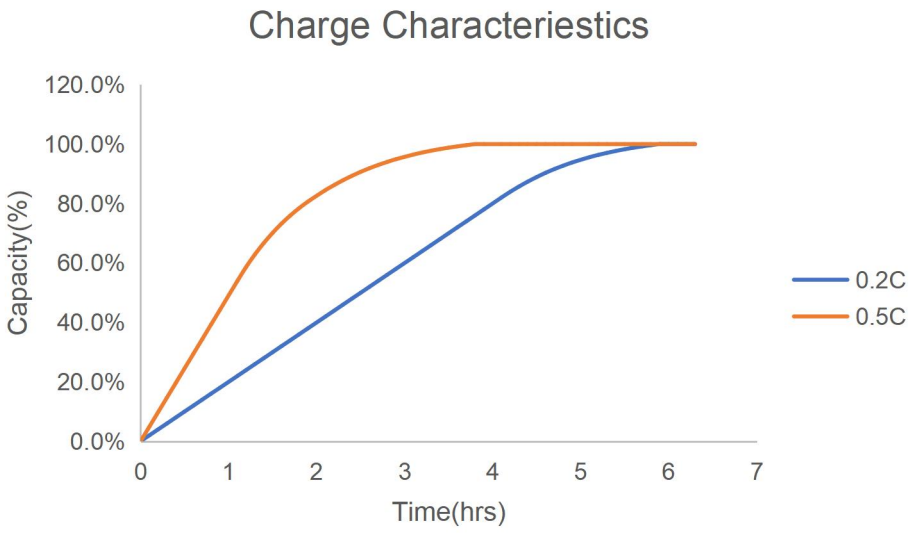


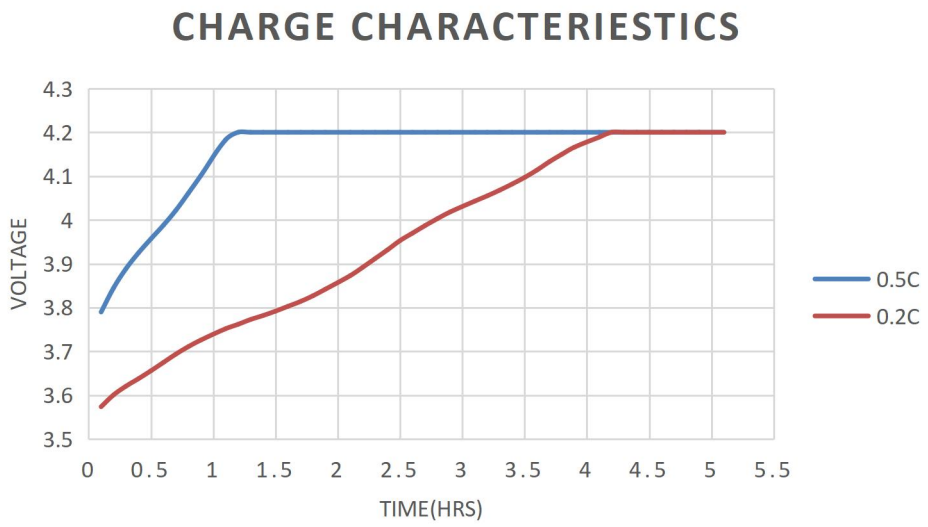
Power Button



Upgrade to LifePo4 tech and life circle up to 1500

RELATIVE CURVES





ANNOUNCEMENT

- Do not throw the battery in a fire.
- Avoid restarting the device frequently on the way to using the battery.
- NEVER put discarded batteries in piles.
- Never charge a lithium polymer battery pack that has been punctured or damaged in a crash.
- Always charge the LiPo battery outdoors or in a ventilated area away from flammable objects and surfaces.
- Misuse of a Lipo battery may result in the battery generating excessive heat, igniting or exploding. Keep batteries out of the reach of children.
- Use a reliable power adapter to avoid unstable current output.
- Do not soak the battery with water.
- Never immerse the battery in water or allow it to get wet.
- Do not expose the battery to strong acids or alkalis.
- Avoid bumping or dropping the battery to prevent damage or internal short circuit.