3.7V Lithium Polymer Battery Data Sheet

Model: 404249

Please Find More:

https://www.fpbattery.com/3-7v-800mah-lithium-polymer-battery/

File Number: A/FP4249-5630

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

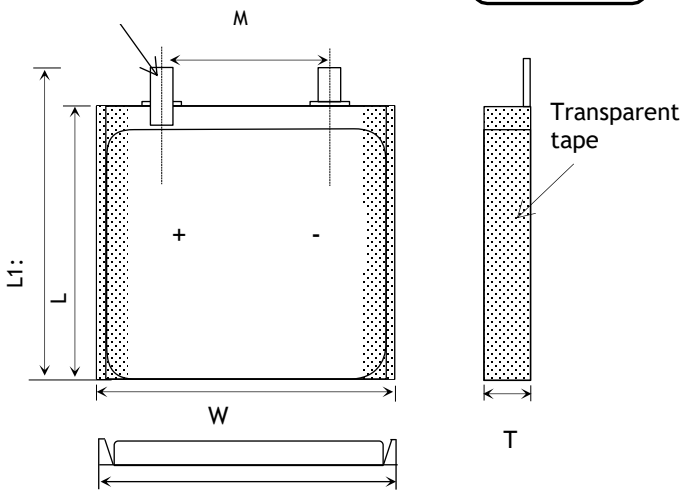
BATTERY SPECIFICATION

Part Number	DNK 404249
Nominal Voltage	3.7 V
Nominal Capacity	825 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

Inflex and soler



Item	Parameter (mm)
T	4
W	42
M	10
L	49
L_1	51
BL	51 ± 1
CL	100

ENVIRONMENTAL SPECIFICATIONS

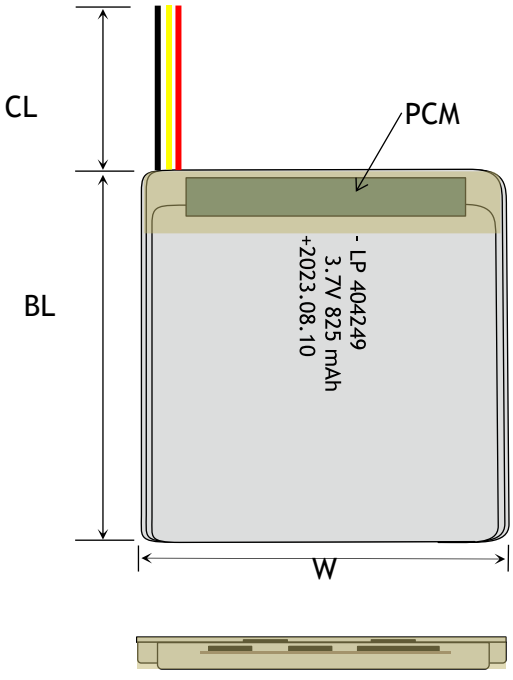
Charging Temperature Range	0 - 45°C
Discharging Temperature Range	-20 - 60°C
Storage Period 1 Week	-20 - 45°C
Storage Period 1 Month	-10 - 45°C
Storage Period 6 Months	0 - 35°C

BATTERY PROTECTION

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

MECHANICAL SPECIFICATIONS

Dimensions	51x 42 x 4 mm(L*W*T)
Weight	Around 13 g
Battery Terminals	WC/ FL *



CERTIFICATION

Certification Approval	PLEASE CONSULT SALES

* aWC=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

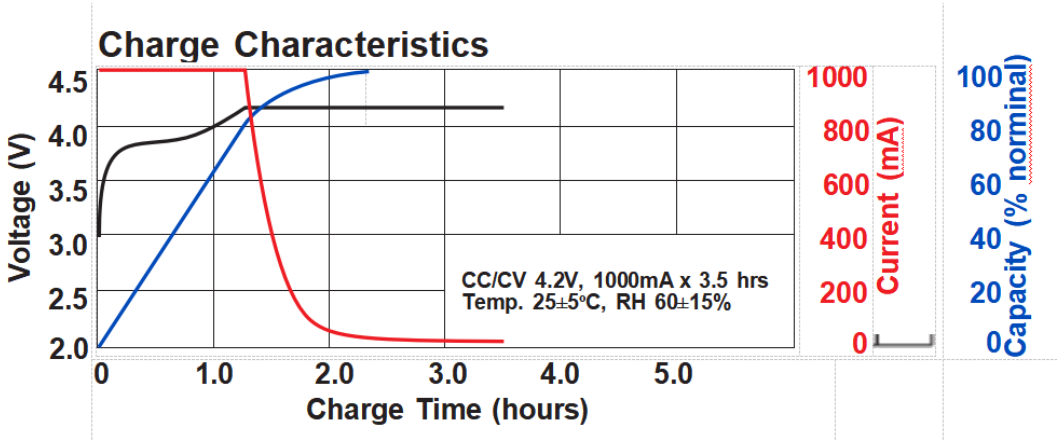


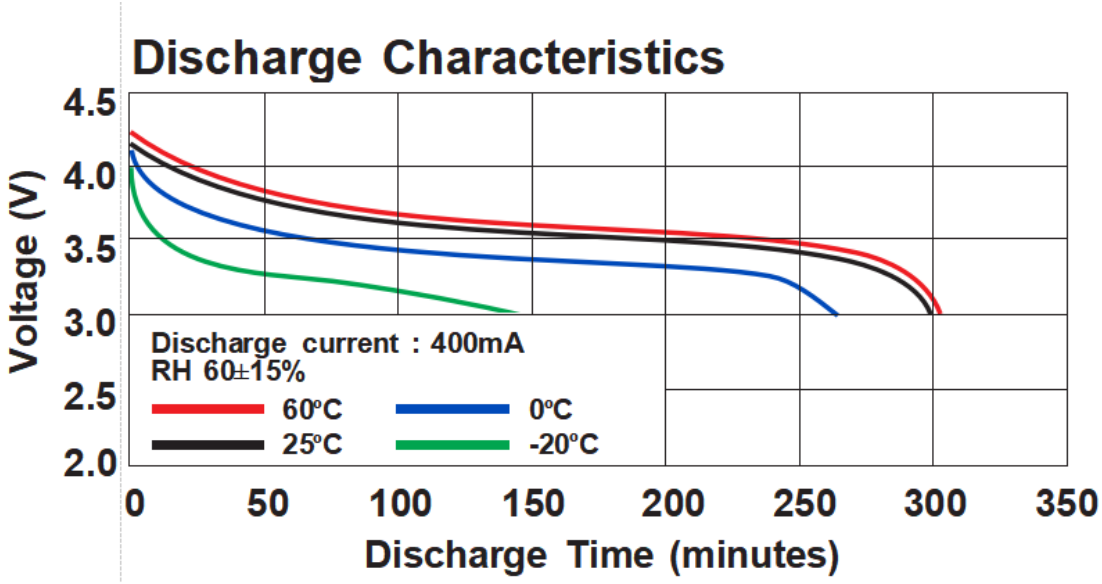
Power Button



Upgrade to LifePo4 tech and life circle up to 1500

RELATIVE CURVES





ANNOUNCEMENT

- Store LiPo batteries at room temperature between 5°C and 27°C (40°F and 80°F) for best results. The lower the temperature the better.
- Never overcharge Batteries beyond the capacity listed on Batteries labels.
- For thermal runaway/fire, activate fire alarm, evacuate, contact public safety.
- Store LiPo batteries at room temperature between 5°C and 27°C (40°F and 80°F) for best results. The lower the temperature the better.
- Discharge the battery to 50% before storing it for an extended period of time.
- Use a reliable power adapter to avoid unstable current output.
- Store Li-Ion batteries and devices in dry, cool locations and in fire-resistant containers.
- If a remote device is not available, do not handle the cell for a period of at least 24 hours.
- Avoid passive or active short-circuiting of the battery.
- Prevent arcing by turning the charger off before disconnecting the battery.
- Do not expose LiPo batteries to direct sunlight or leave in a hot environment (inside an automobile in hot weather) for extended periods of time.