3.7V Lithium Polymer Battery Data Sheet

Model: 406770

Please Find More:

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

File Number: A/FP6770-3008

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/

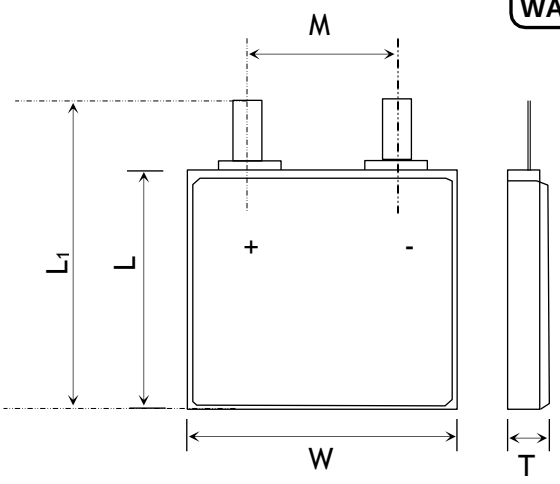
DNK POWER COMPANY LIMITED

BATTERY SPECIFICATION

Part Number	DNK 406770
Nominal Voltage	3.7 V
Nominal Capacity	1900 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	67
M	10
L	70
L_1	72
BL	72 ± 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

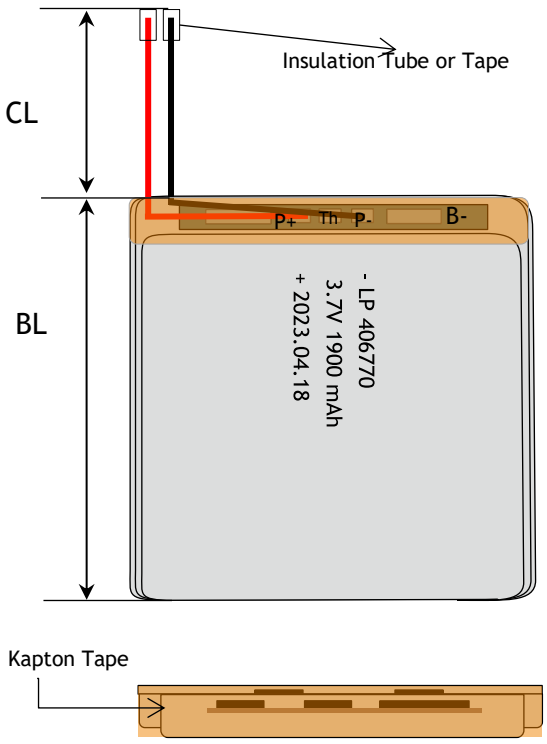
MECHANICAL SPECIFICATIONS

Dimensions	72x 67 x 4 mm(L*W*T)
Weight	Around 31 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

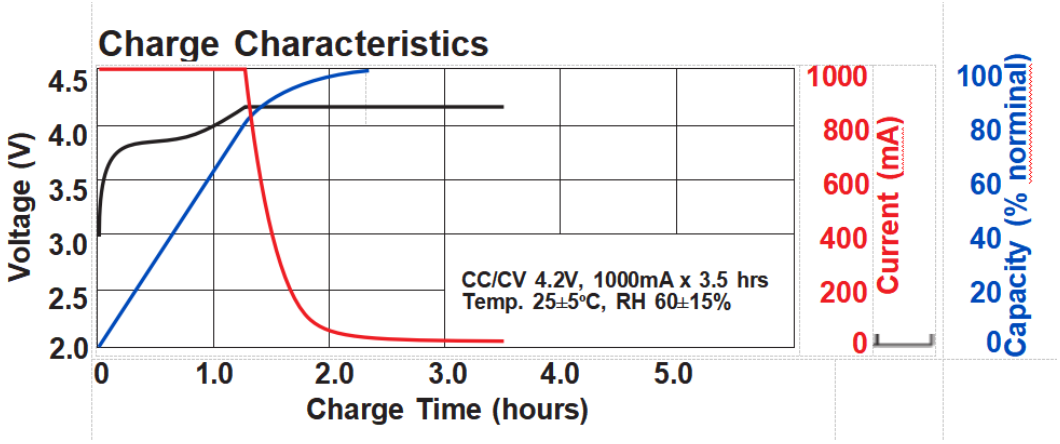
Popular JST,Molex,Hirose,Anderson available

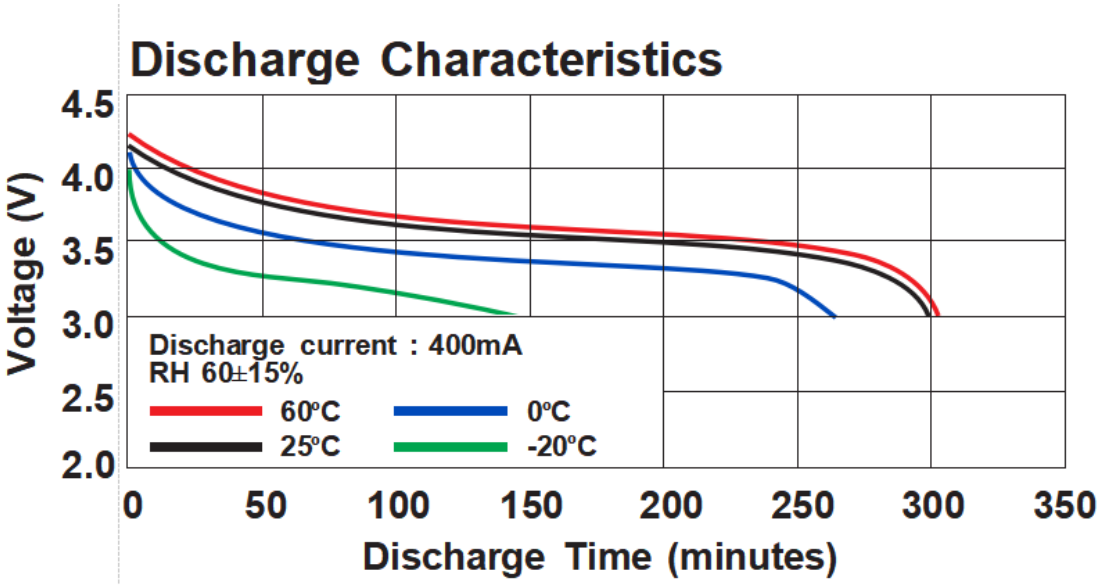
LED Power Indicator

Power Button

Upgrade to LifePo4 tech and life circle up to 1500

RELATIVE CURVES





ANNOUNCEMENT

- During discharging and handling the batteries, do not exceed 160˚F (71˚C). Otherwise, the battery may be damaged and a fire may result.
- Always use a compatible balanced mode charger, specifically designed for the chemistry of battery you are using.
- Use a reliable power adapter to avoid unstable current output.
- Do not crush or bend the battery.
- Never, under ANY circumstances let the positive and negative battery leads touchThis can lead to cell ballooning, cell damage, fire or an explosion. If you notice your LiPo battery pack is If necessary, put the battery in a non-combustible bucket or container and observe it for 15 minutes . swelling, disconnect the charging device immediately.
- LiPo batteries must only be charged with a manufacturer recommended LiPo charger.
- Use a reliable power adapter to avoid unstable current output.
- Be aware that many of the more expensive LiPo chargers will automatically detect the cell count of the battery being charged; cheaper chargers will require a manual setting.
- Observe the polarities (Negative and Positive). Do not connect them wrongly.
- When using the charger, please monitor the temperature of the charger.
- Lithium-ion batteries assembled to offer higher voltages (over 60V) may present electrical shock and arc hazards. Therefore adherence to applicable

electrical protection standards (terminal protection, shielding, PPE etc.) is required tAVOID exposure to electrical hazards.