3.7V Lithium Polymer Battery Data Sheet

Model: 306870

Please Find More:

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

File Number: A/FP6870-2634

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/

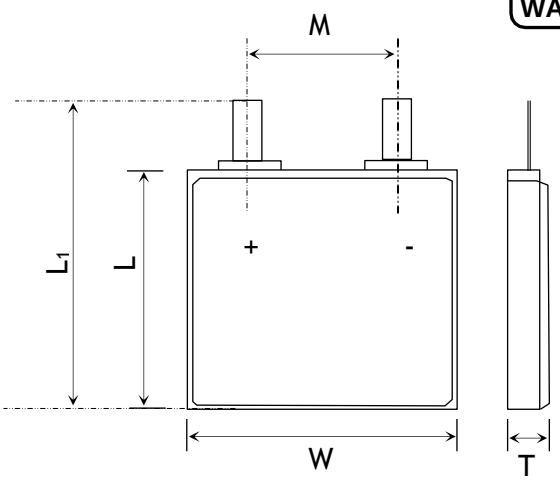
DNK POWER COMPANY LIMITED

BATTERY SPECIFICATION

Part Number	DNK 306870
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

1 YEAR WARRANTY



Item	Parameter (mm)
T	3
W	68
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

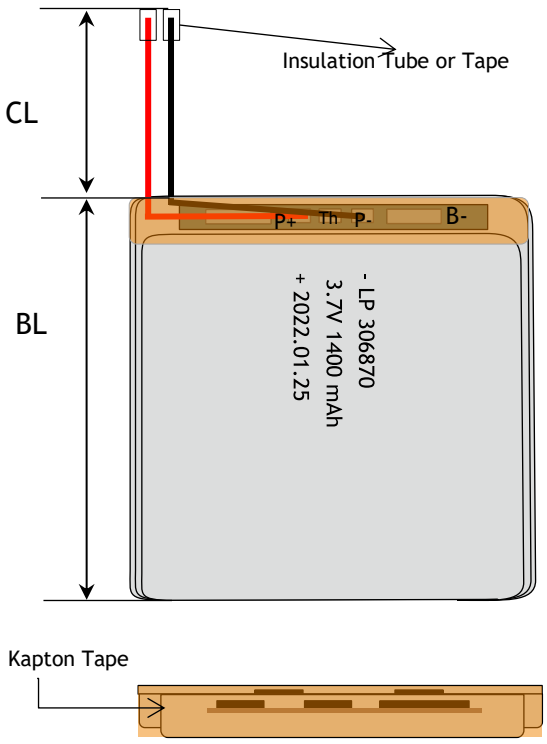
MECHANICAL SPECIFICATIONS

Dimensions	72x 68 x 3 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



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

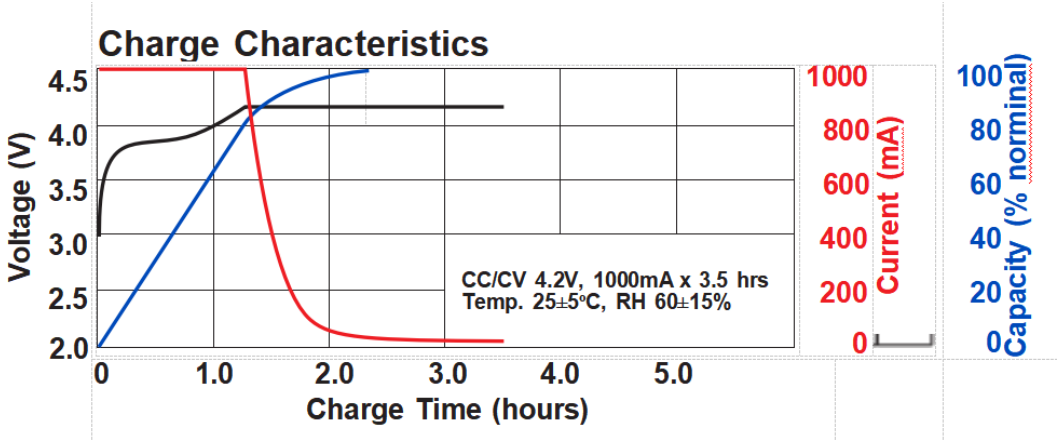
Popular JST,Molex,Hirose,Anderson available

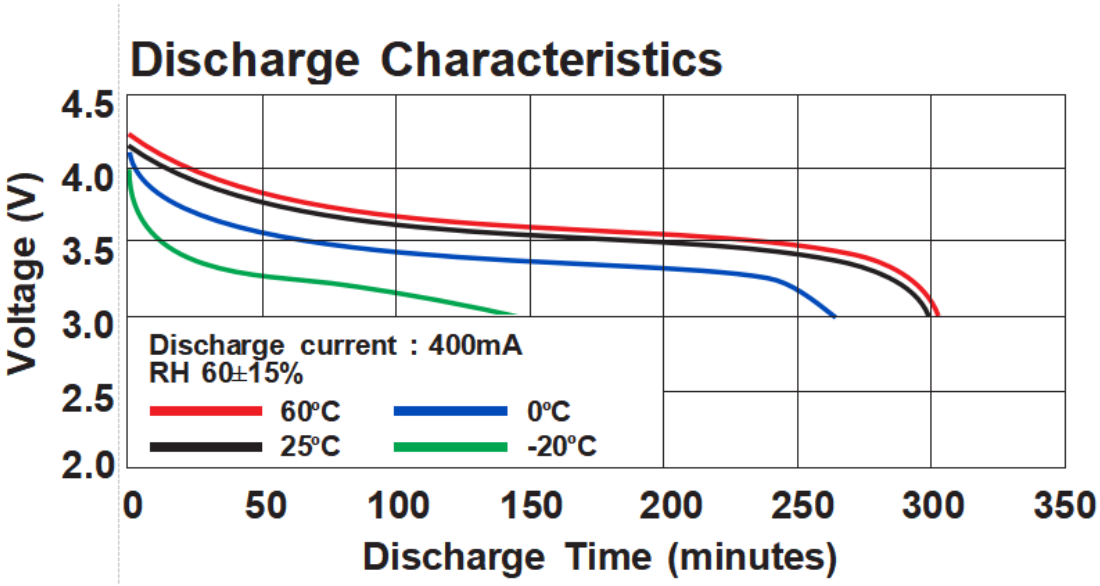
LED Power Indicator

Power Button

Upgrade to LifePo4 tech and life circle up to 1500

RELATIVE CURVES





ANNOUNCEMENT

- ALWAYS locate exits and evacuation routes in your area. Know the location of portable fire extinguishers in the area, and the location of the nearest fire alarm pull station (if the building is equipped with a fire alarm system).
- ALWAYS immediately disconnect the charging cord from the wall outlet if batteries or equipment develop heat/smoke, unusual odors, or show evidence of bulging (changes in shape or geometry).
- ALWAYS use the charging cord supplied with the device (or only use a replacement charging cord that is specified by the device manufacturer to bean approved alternative).
- Never charge a LiPo battery while inside your model.
- NEVER attempt to extinguish this type of fire yourself – portable fire extinguishers have proven to be ineffective in extinguishing Li-Ion and LiPo battery fires.
- NEVER use water to try and extinguish a LiPo fire. Water acts like petrol on a LiPo battery fire.
- Although protective electronics built into the battery should prevent overcharging, such a battery management system can fail- for example if the charger is not suitable and thus unattended charging is always a source of danger.
- The batteries must be stored within -10°C~45°C range environmental condition.
- Do not charge the battery in a closed container.
- Do not use a battery that has been over-discharged.

- Never discharge the battery cells below 3.2V.