3.7V Lithium Polymer Battery Data Sheet

Model: 402962

Please Find More:

https://www.fpbattery.com/3-7v-650mah-lithium-polymer-battery/

File Number: A/FP2962-20146

File Version: 01

CONTACT

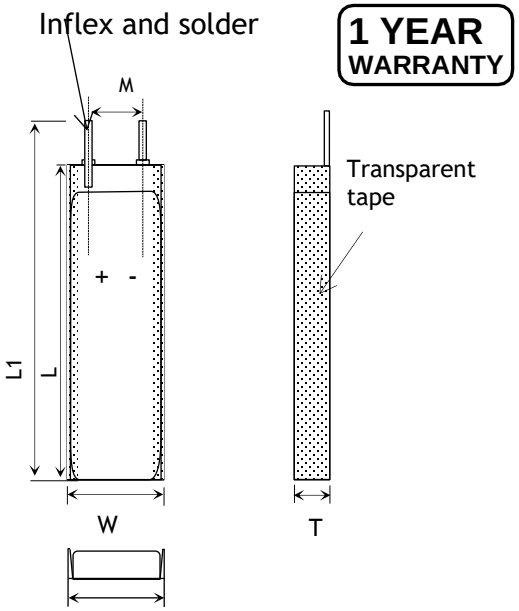
CUSTOMER SERVICE
86.755.3682.7358
sales@fpbattery.com
Hours of Operation:
9:00am-6:00pm CST, Monday to Friday

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

DNK POWER COMPANY LIMITED

BATTERY SPECIFICATION

Part Number	DNK 402962
Nominal Voltage	3.7 V
Nominal Capacity	720 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)



Item	Parameter (mm)
T	4
W	29
M	10
L	62
L_1	64
BL	64 ± 1
CL	100

ENVIRONMENTAL SPECIFICATIONS

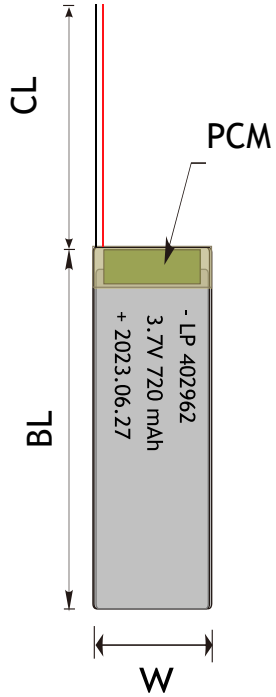
Charging Temperature Range	0 - 45°C
Discharging Temperature Range	-20 - 60°C
Storage Period 1 Week	-20 - 45°C
Storage Period 1 Month	-10 - 45°C
Storage Period 6 Months	0 - 35°C

BATTERY PROTECTION

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

MECHANICAL SPECIFICATIONS

Dimensions	64x 29 x 4 mm(L*W*T)
Weight	12 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

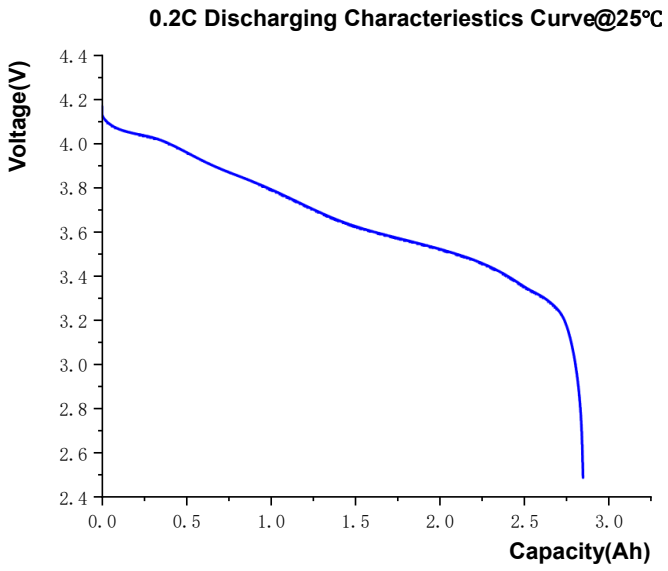


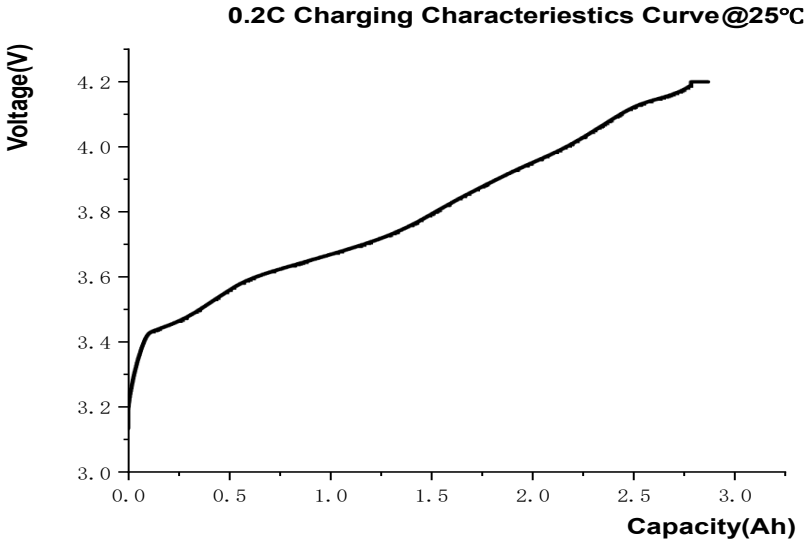
Power Button



Upgrade to LifePo4 tech and life circle up to 1500

RELATIVE CURVES





ANNOUNCEMENT

- Avoid storing unused batteries for long periods of time, and perform regular battery maintenance and charging.
- Do not leave cells un-attended when charging. Always remain close to the charging cells to constantly monitor the charging process and react to any potential problems should they occur.
- Before starting work, remove watches, metal rings, and other metal jewelry when working with or near large batteries or power supplies. If the metal from your jewelry comes into contact with a terminal, you become part of the circuit. Effects can vary from a small electric shock to burns or even electrocution, depending on the power of the battery.
- Only use chargers provided by and/or approved by the manufacturer.
- Misuse of a Lipo battery may result in the battery generating excessive heat, igniting or exploding. Keep batteries out of the reach of children.
- Intact batteries can be disposed of as Universal Waste. If the battery is greater than 9V, tape the terminals before disposal.
- Ensure connectors are insulated correctly to prevent short circuit in handling or storage.
- The battery must be installed in the model on a flat surface.
- Double check that the setting for the lithium polymer charger is correct for the pack being charged – this includes the cell count as well as the current settings.
- Charge at correct rate and proper voltage for either use or storage.
- Do not crush or bend the battery.