3.7V Lithium Polymer Battery Data Sheet

Model: 554240

Please Find More:

https://www.fpbattery.com/3-7v-5500mah-lithium-polymer-battery/

File Number: A/FP4240-1133

File Version: 01

CONTACT

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

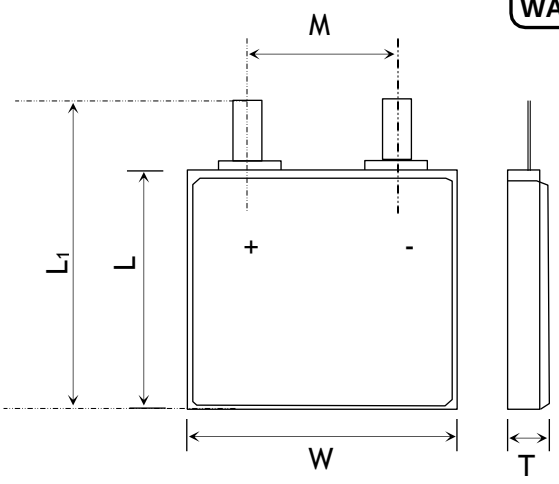
LEARN MORE ON:
https://www.fpbattery.com/

DNK POWER COMPANY LIMITED

BATTERY SPECIFICATION

Part Number	DNK 554240
Nominal Voltage	3.7 V
Nominal Capacity	925 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 YEAR WARRANTY



Item	Parameter (mm)
T	5
W	42
M	10
L	40
L_1	42
BL	42 ± 1
CL	100

ENVIRONMENTAL SPECIFICATIONS

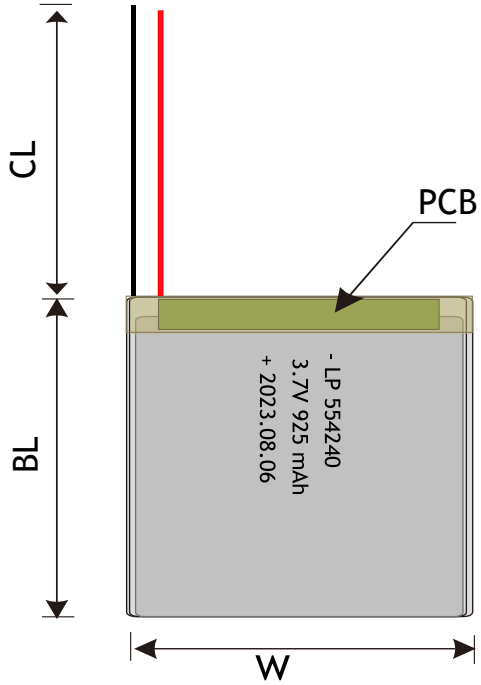
Charging Temperature Range	0 - 45°C
Discharging Temperature Range	-20 - 60°C
Storage Period 1 Week	-20 - 45°C
Storage Period 1 Month	-10 - 45°C
Storage Period 6 Months	0 - 35°C

BATTERY PROTECTION

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

MECHANICAL SPECIFICATIONS

Dimensions	42x 42 x 5 mm(L*W*T)
Weight	Around 15 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

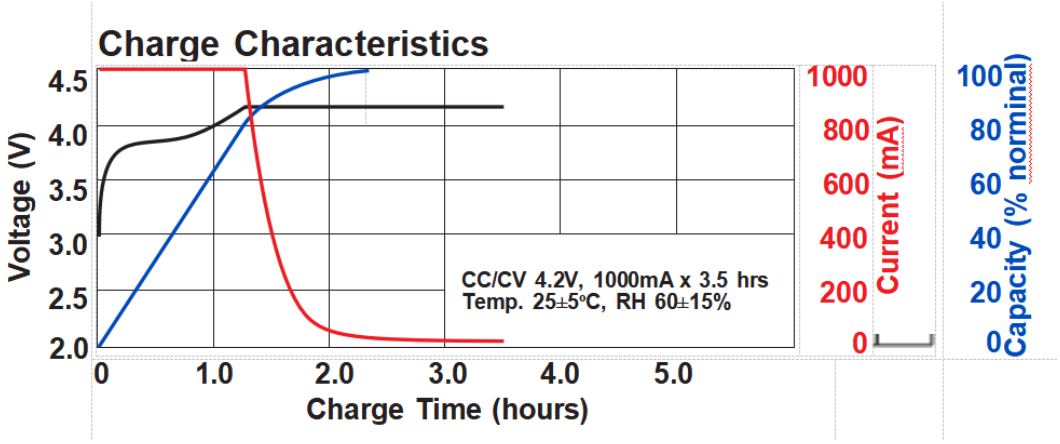


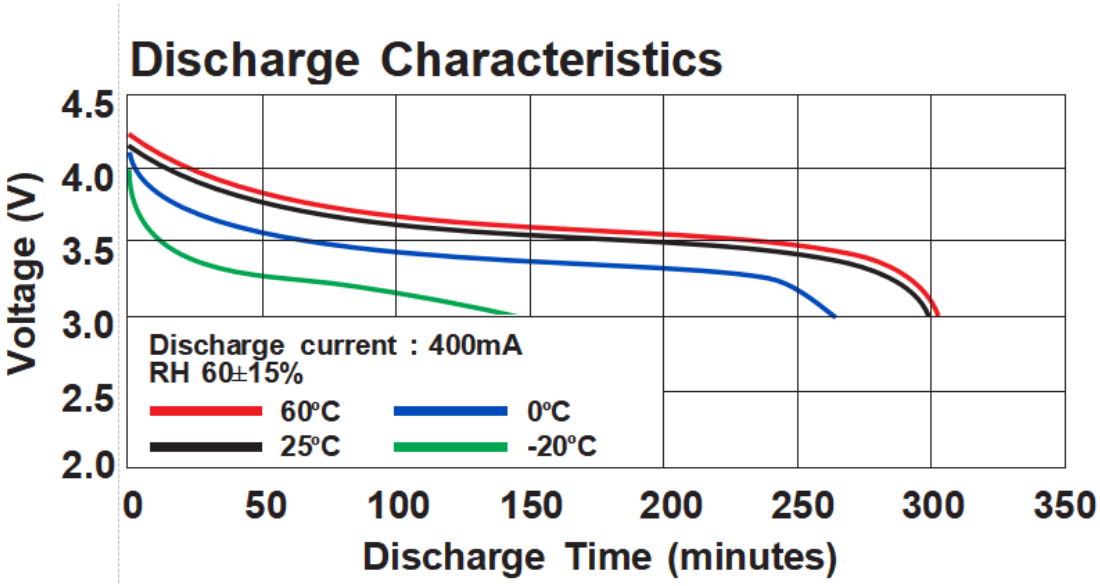
Power Button



Upgrade to LifePo4 tech and life circle up to 1500

RELATIVE CURVES





ANNOUNCEMENT

- Avoid purchasing low quality batteries to avoid accidents.
- Set up dedicated charging area. Area must be free of combustible materials. Maintain space between charging batteries.
- Do not store your cells in a hot place (i.e. in your car on a hot day) as this may cause them to catch fire or even explode.
- During transportation and storage, ensure effective measures are employed to prevent shortcircuit.
- Do not mix different types of batteries or mix new and old ones together (e.g. in a power pack).
- The batteries must be stored within -10°C~45°C range environmental condition.
- Do not store your cells in a hot place (i.e. in your car on a hot day) as this may cause them to catch fire or even explode.
- Do not charge a Lipo battery mat has 'ballooned' or 'puffed up', or shows any signs of leakage or physical damage.
- Do not store batteries with metal.
- Security or other responsible staff on site who may be called to take action in an emergency should be made aware of the location of the charging area, the means for isolating the power and the action to take in an emergency.
- Use a reliable power adapter to avoid unstable current output.