3.7V Lithium Polymer Battery Data Sheet

Model: 403145

Please Find More:

https://www.fpbattery.com/3-7v-500mah-lithium-polymer-battery/

File Number: A/FP3145-11243

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 403145
Nominal Voltage	3.7 V
Nominal Capacity	560 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)

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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

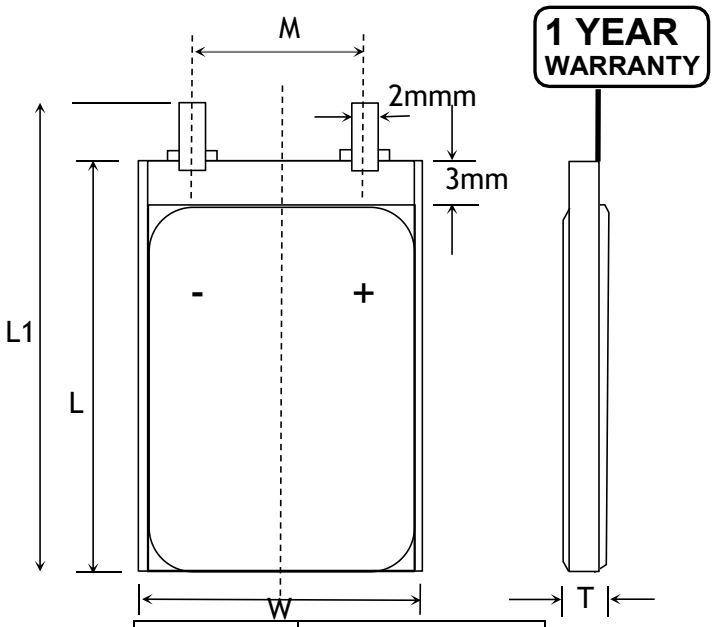
MECHANICAL SPECIFICATIONS

Dimensions	47x 31 x 4 mm(L*W*T)
Weight	Around 9 g
Battery Terminals	WC/ FL *

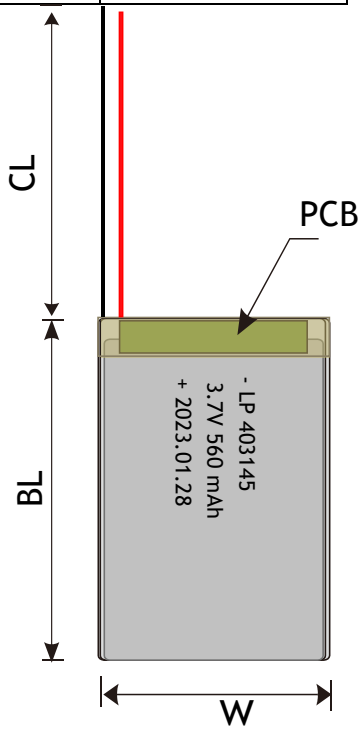
CERTIFICATION

Certification Approval	PLEASE CONSULT SALES

* WC=With Connector FL=Flying Leads UWP=Blue Wrapped PVC BWP=Black Wrapped PVC BC= Bare Cell



Item	Parameter (mm)
T	4
W	31
M	10
L	45
L_1	47
BL	47 ± 1
CL	100



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

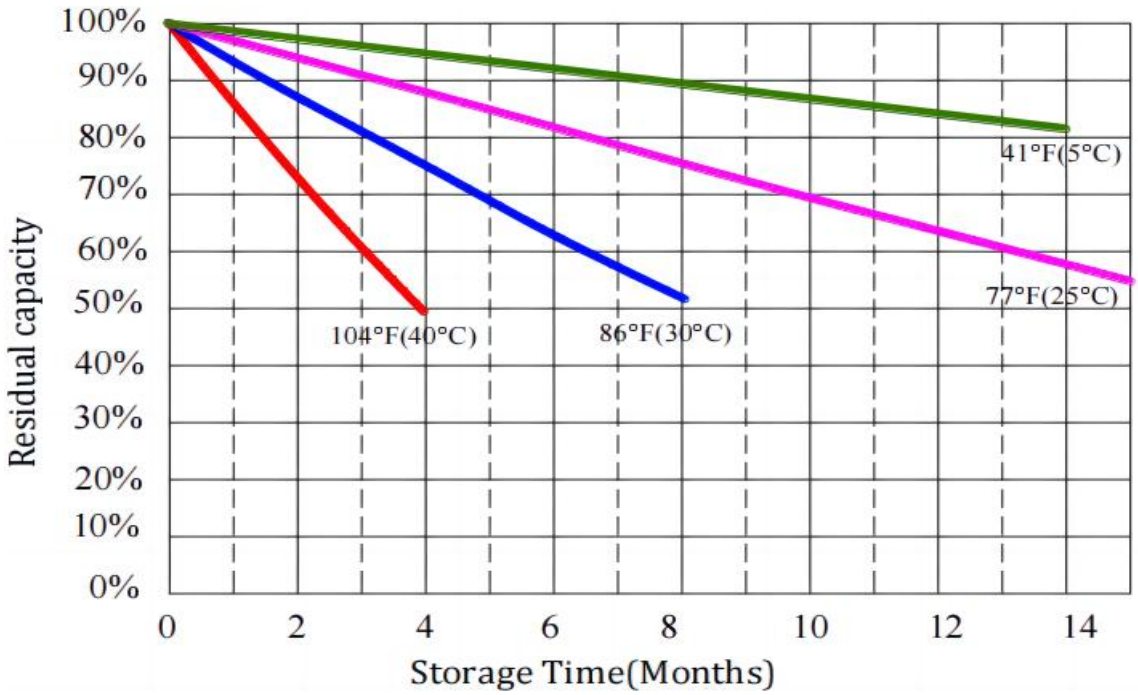


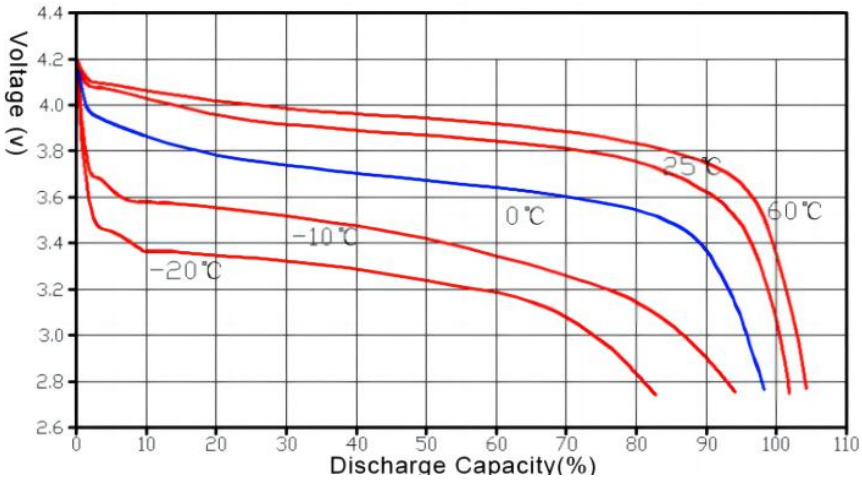
Power Button



Upgrade to LifePo4 tech and life circle up to 1500

RELATIVE CURVES





ANNOUNCEMENT

- Never keep sharp objects near Lipos. This may cause a hole in the pack and can lead to a fire.
- Store it in a fire-proof container in a cool dry place.
- The batteries must be stored within -10°C~45°C range environmental condition.
- Store in a temperature protected area between 10 and 25 degrees Centigrade
- Use the charger program to charge the LiPo batteries, never use any other program.
- Emergency Response and Disposal
- Immediately disconnect the batteries if, during operation or charging, they emit an unusual smell, develop heat, change shape/geometry, or behave abnormally.
- Charge only with an approved LiPo charger, according to the parameters for the particular battery
- LiPo batteries must only be charged with a manufacturer recommended LiPo charger.
- ALWAYS close the door to the room or space.
- Set up emergency battery isolation container.