3.7V Lithium Polymer Battery Data Sheet

Model: 403144

Please Find More:

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

File Number: A/FP3144-10700

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 403144
Nominal Voltage	3.7 V
Nominal Capacity	545 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

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

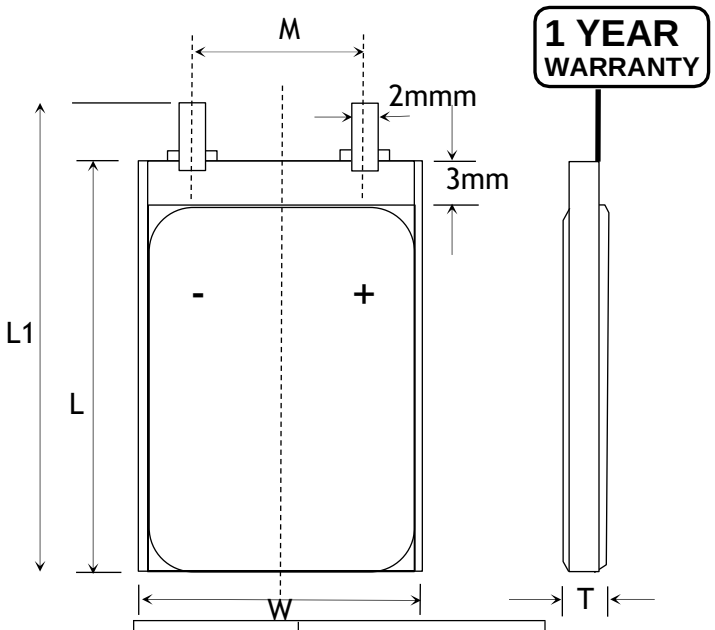
MECHANICAL SPECIFICATIONS

Dimensions	46x 31 x 4 mm(L*W*T)
Weight	Around 9 g
Battery Terminals	WC/ FL *

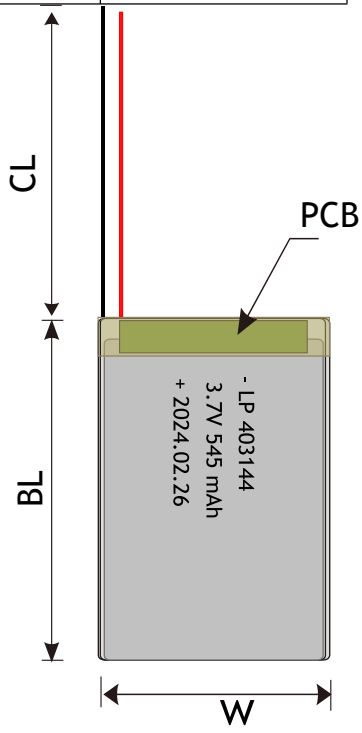
CERTIFICATION

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	44
L_1	46
BL	46 ± 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



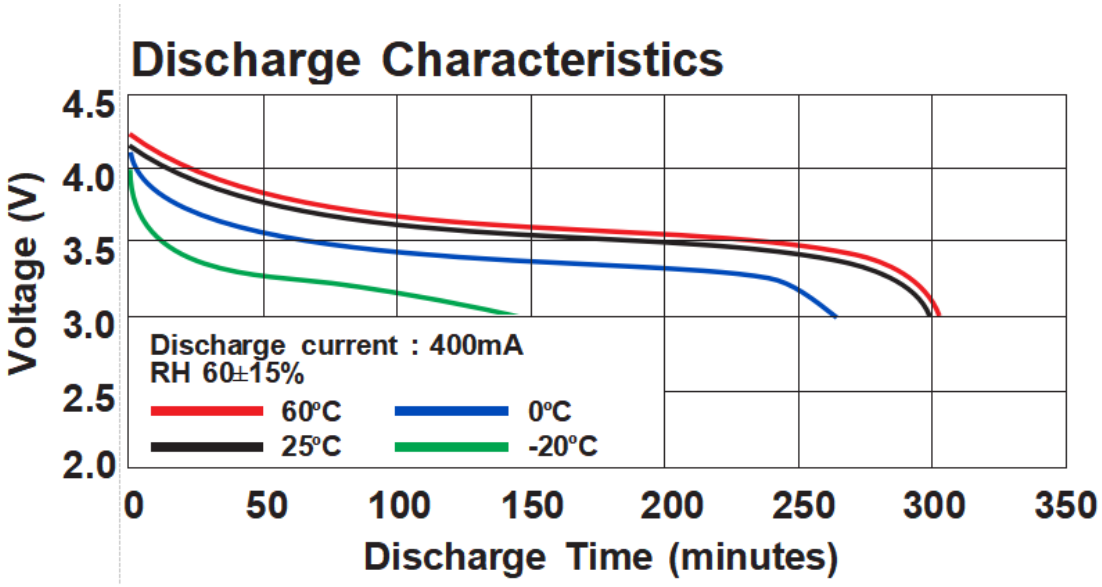


LED Power Indicator



Power Button

RELATIVE CURVES



ANNOUNCEMENT

- Always guard against any possible short circuit.
- For thermal runaway/fire, activate fire alarm, evacuate, contact public safety.
- Protect from the frost, and also temperatures above 60 degrees Centigrade. Batteries should never be in the sun, on hot surfaces.
- Do not attempt to disassemble or repair the battery.
- Do not place the battery in a microwave or other heating device.
- Do not allow a Lipo battery to get wet
- Only use chargers provided by and/or approved by the manufacturer.
- Let batteries cool down prior to charging.
- It is essential to observe the polarity. Reverse polarity (POSITIVE and NEGATIVE) will damage the cells, cause the battery to swell and can damage your charger.
- Do not discharge the battery at a higher current than the maximum continuous discharging current. A higher discharging current may cause overheating which will lead to ballooning, swelling, or possibly result in fire. For example, a 5000mAh battery with a designed maximum 35C discharge current must not have a continuous discharge rate or load of more than 175 Amps. For longer cycle life, a continuous discharging current of 70%-80% of the designed maximum discharging current is acceptable and recommended.
- Avoid passive or active short-circuiting of the battery.