3.7V Lithium Polymer Battery Data Sheet

Model: 523443

Please Find More:

https://www.fpbattery.com/3-7v-750mah-lithium-polymer-battery/

File Number: A/FP3443-7734

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

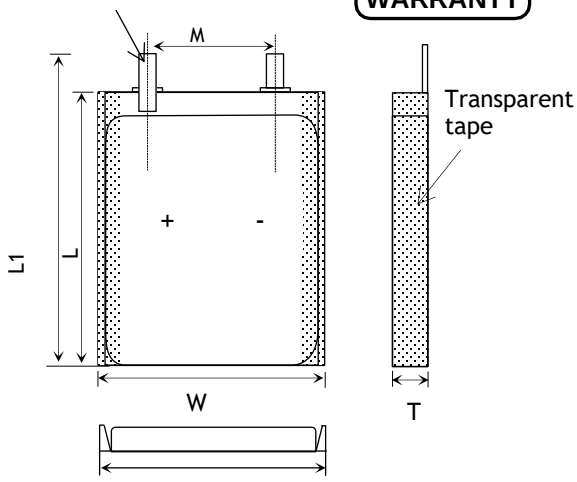
BATTERY SPECIFICATION

Part Number	DNK 523443
Nominal Voltage	3.7 V
Nominal Capacity	750 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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1 YEAR WARRANTY



Item	Parameter (mm)
T	5
W	34
M	10
L	43
L_1	45
BL	45 ± 1
CL	100

ENVIRONMENTAL SPECIFICATIONS

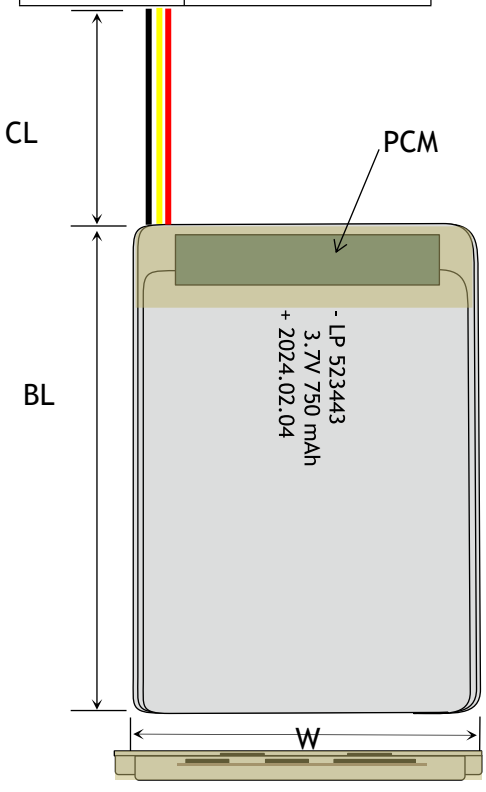
Charging Temperature Range	0 - 45°C
Discharging Temperature Range	-20 - 60°C
Storage Period 1 Week	-20 - 45°C
Storage Period 1 Month	-10 - 45°C
Storage Period 6 Months	0 - 35°C

BATTERY PROTECTION

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

MECHANICAL SPECIFICATIONS

Dimensions	45x 34 x 5 mm(L*W*T)
Weight	12 g
Battery Terminals	WC/ FL *

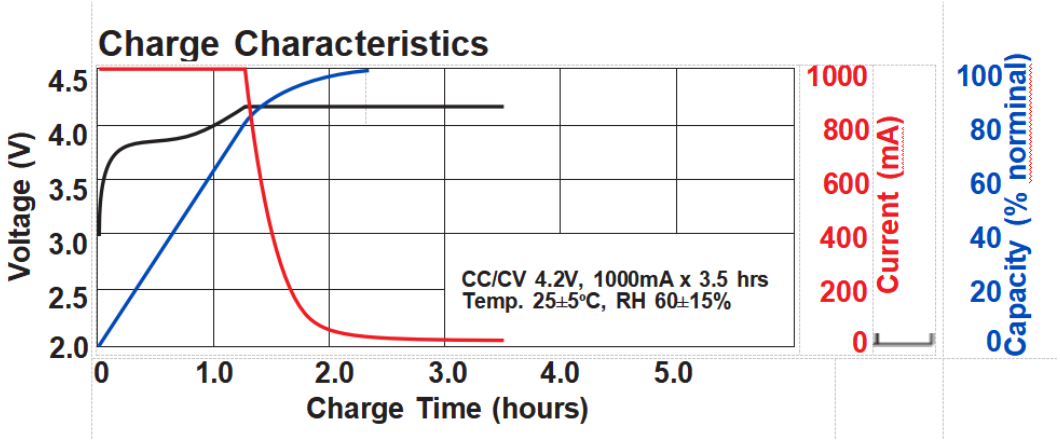


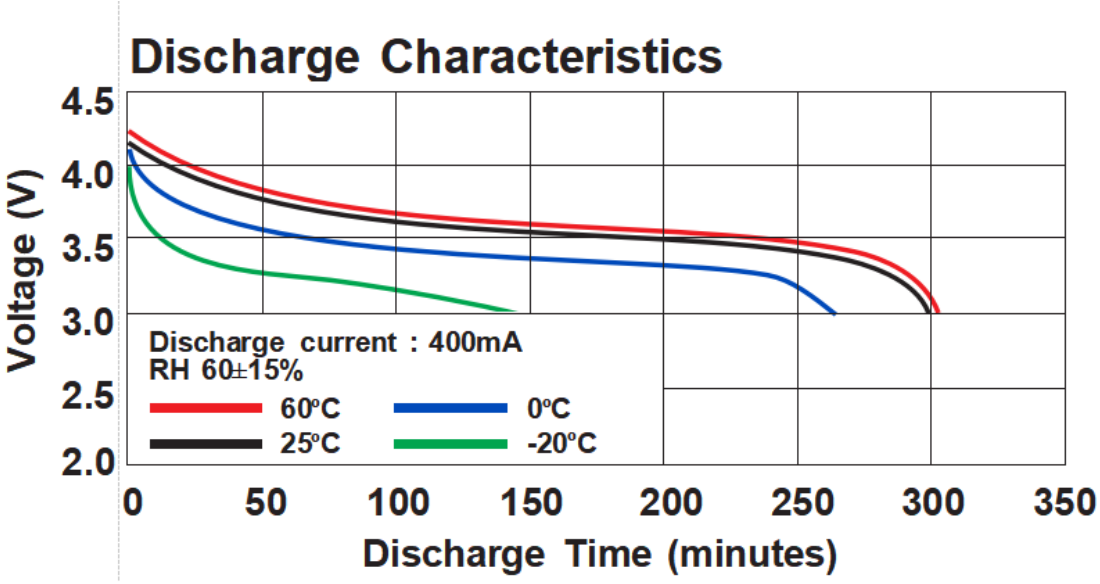
CERTIFICATION

Certification Approval	PLEASE CONSULT SALES

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

RELATIVE CURVES





ANNOUNCEMENT

- Ensure that you purchase the right type and size of battery that matches the requirements of your equipment.
- Do not use the unit without its electronic management system.
- Immediately disconnect the batteries if, during operation or charging, they emit an unusual smell, develop heat, change shape/geometry, or behave abnormally.
- Keep Lipo batteries away from heal! And direct sunlight, and do not Store ma car during hot weather. Never use a Lipo that is leaking or gives off a strong odor, or has been damaged many way.
- If you notice hot cells, disconnect the charger and remove any external short circuit if present.
- Avoid passive or active short-circuiting of the battery.
- Use the charger program to charge the LiPo batteries, never use any other program.
- Never leave battery unattended during the discharging process, always monitor the process constantly and react to potential problem that may occur.
- Read the Product Specification and respect the maximum voltage (4.2V/cell). Never charge higher than 4.25V, which is the maximum voltage. Charging with a higher voltage will irreparably damage the battery and may lead to the start of a fire.
- Always use a compatible balanced mode charger, specifically designed for the chemistry of battery you are using.
- Store behind a fire door and where a fire alarm is situated.