3.7V Lithium Polymer Battery Data Sheet

Model: 453442

Please Find More:

https://www.fpbattery.com/3-7v-600mah-lithium-polymer-battery/

File Number: A/FP3442-7149

File Version: 01

CONTACT

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

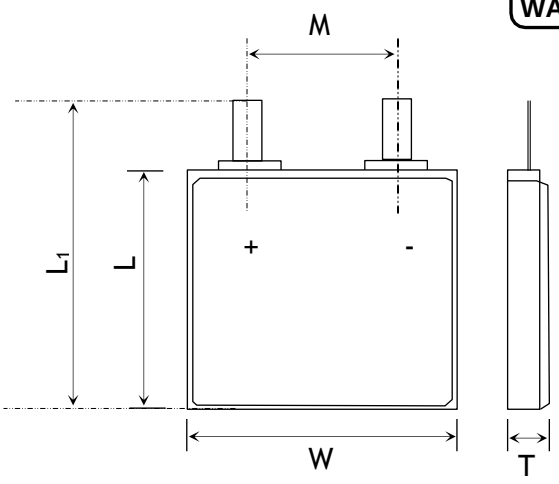
LEARN MORE ON:
https://www.fpbattery.com/

DNK POWER COMPANY LIMITED

BATTERY SPECIFICATION

Part Number	DNK 453442
Nominal Voltage	3.7 V
Nominal Capacity	645 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	4
W	34
M	10
L	42
L_1	44
BL	44 ± 1
CL	100

ENVIRONMENTAL SPECIFICATIONS

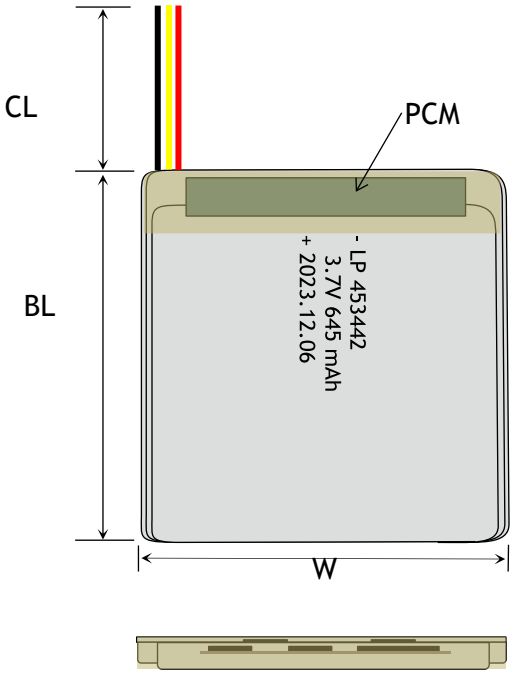
Charging Temperature Range	0 - 45°C
Discharging Temperature Range	-20 - 60°C
Storage Period 1 Week	-20 - 45°C
Storage Period 1 Month	-10 - 45°C
Storage Period 6 Months	0 - 35°C

BATTERY PROTECTION

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

MECHANICAL SPECIFICATIONS

Dimensions	44x 34 x 4 mm(L*W*T)
Weight	Around 10 g
Battery Terminals	WC/ FL *

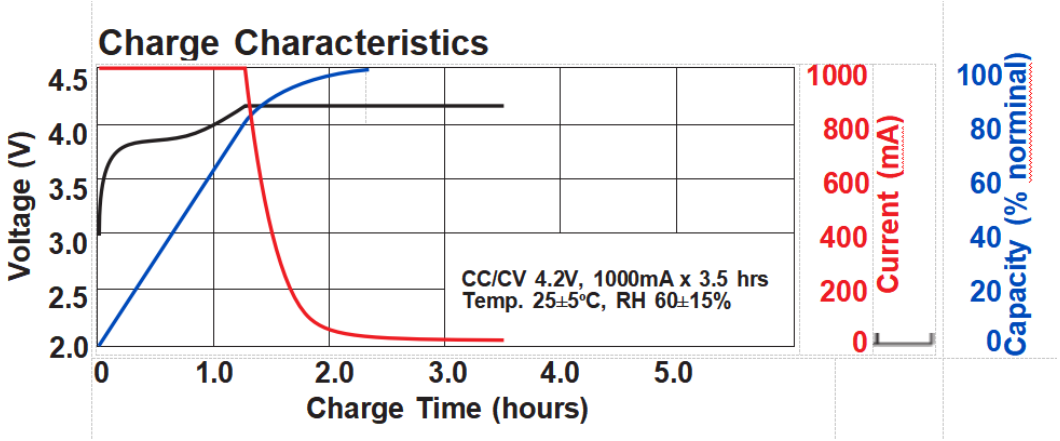


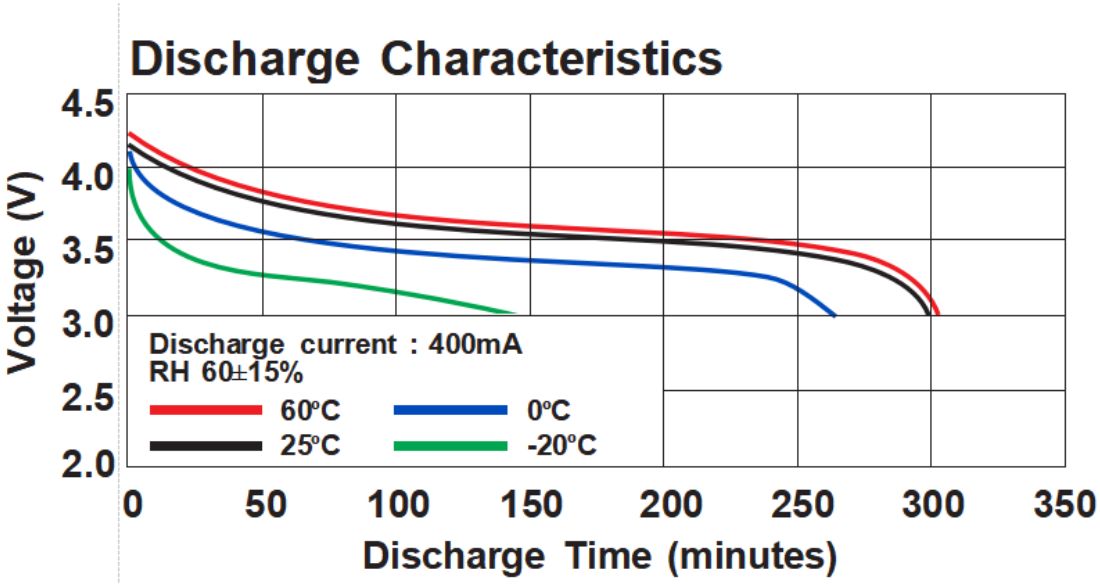
CERTIFICATION

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

- Place batteries suspected of being damaged into the emergency battery isolation container and monitor temperature.
- Do not inhale the smoke/fumes of a LiPo battery that is on fire. The smoke is toxic. Leave the area and call 911.
- Never leave a charging LiPo battery pack unattended. Never store batteries inside of an automobile.
- Store it in a fire-proof container in a cool dry place.
- Never store or charge the battery inside your car or in extreme temperatures. Extreme temperatures might ignite the battery and cause fire. 7) Store the battery in a location inaccessible to children. Be sure that children do not remove the battery from the charger or model.
- Avoid passive or active short-circuiting of the battery.
- Obtain infrared thermometer for remote battery temperature monitoring.
- Do not leave Lipo batteries unattended while charging.
- Never leave battery unattended during the discharging process, always monitor the process constantly and react to potential problem that may occur.
- ALWAYS tape over the terminals/contacts of each battery (a fire can start if battery terminals come into contact with each other or other metallic items in the area).
- DO NOT make or build your own charging circuit.