3.7V Lithium Polymer Battery Data Sheet

Model: 404242

Please Find More:

https://www.fpbattery.com/3-7v-650mah-lithium-polymer-battery/

File Number: A/FP4242-2015

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/

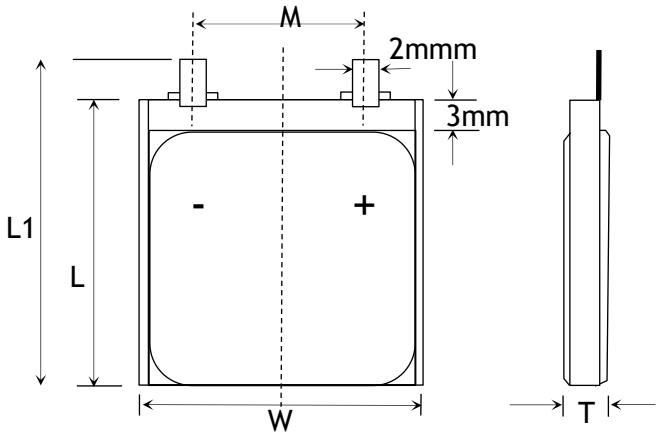
DNK POWER COMPANY LIMITED

BATTERY SPECIFICATION

Part Number	DNK 404242
Nominal Voltage	3.7 V
Nominal Capacity	705 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

1 YEAR WARRANTY



Item	Parameter (mm)
T	4
W	42
M	10
L	42
L_1	44
BL	44 ± 1
CL	100

ENVIRONMENTAL SPECIFICATIONS

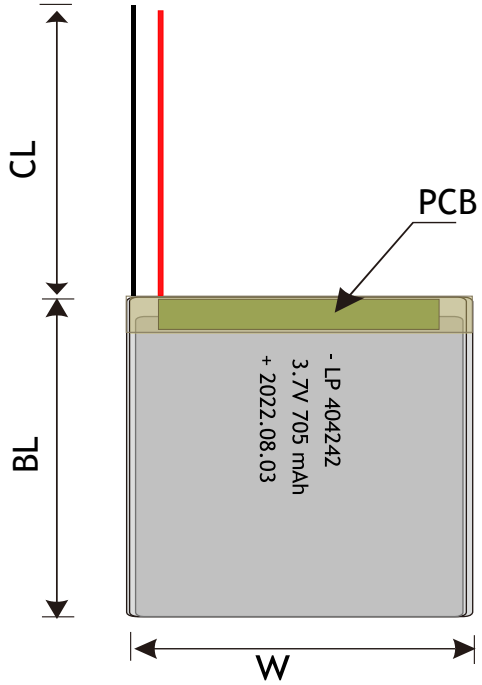
Charging Temperature Range	0 - 45°C
Discharging Temperature Range	-20 - 60°C
Storage Period 1 Week	-20 - 45°C
Storage Period 1 Month	-10 - 45°C
Storage Period 6 Months	0 - 35°C

BATTERY PROTECTION

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

MECHANICAL SPECIFICATIONS

Dimensions	44x 42 x 4 mm(L*W*T)
Weight	Around 11 g
Battery Terminals	WC/ FL *

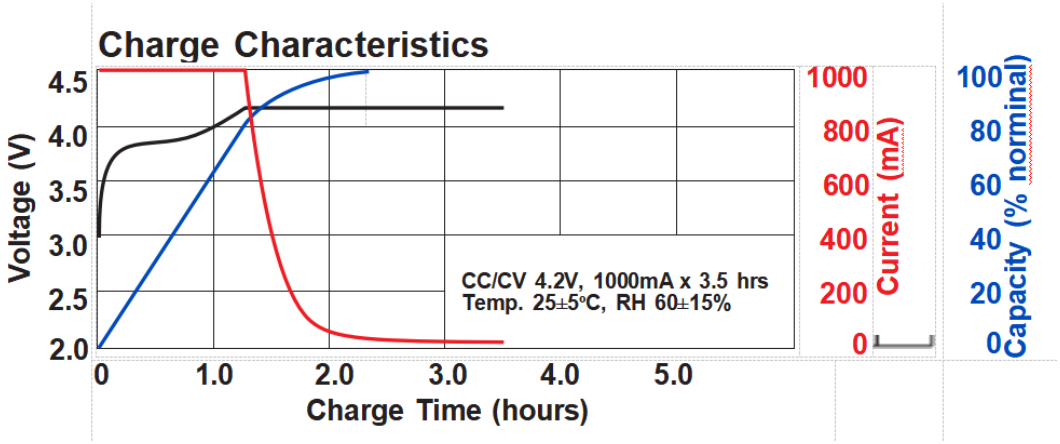


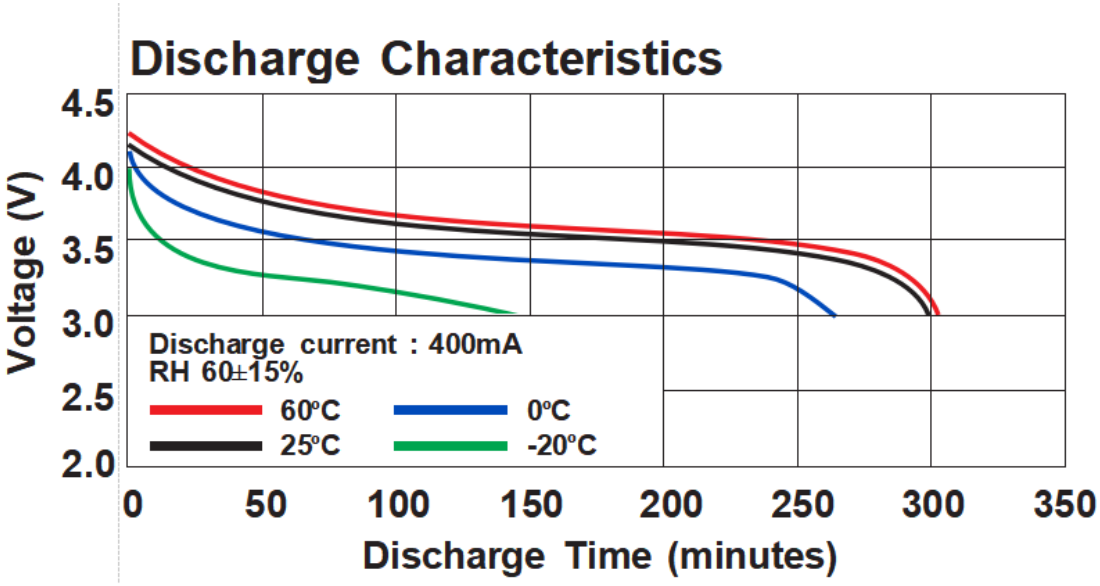
CERTIFICATION

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

- Do not charge hot cells after use. Warm cells are OK. Always let hot cells cool before charging.
- Store in a temperature protected area between 10 and 25 degrees Centigrade
- Storing LiPo batteries at temperatures higher than 170°F (76°C) for more than 2 hours may result in battery damage or possibly fire.
- Every time a battery is not used actively (e.g. for more than 3 days), it should be placed in the storage area tAVOID being damaged and becoming unsafe.
- The battery must be installed in the model on a flat surface.
- Do not overcharge the battery and observe the charger and battery charge time instructions.
- Avoid placing the battery near sources of ignition.
- Always charge Batteries in an open area away from flammable materials, liquids and surfaces.
- Always use a compatible balanced mode charger, specifically designed for the chemistry of battery you are using.
- Obtain infrared thermometer for remote battery temperature monitoring.
- The batteries must be stored within -10°C~45°C range environmental condition.