3.7V Lithium Polymer Battery Data Sheet

Model: 404553

Please Find More:

https://www.fpbattery.com/3-7v-900mah-lithium-polymer-battery/

File Number: A/FP4553-5840

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

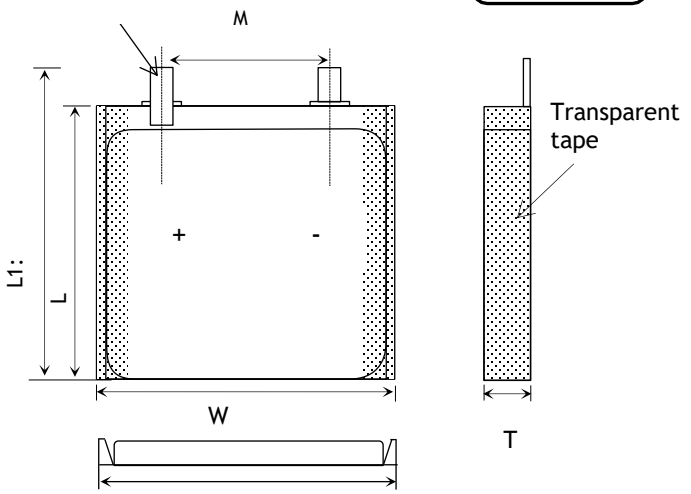
BATTERY SPECIFICATION

Part Number	DNK 404553
Nominal Voltage	3.7 V
Nominal Capacity	955 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

Inflex and soler



Item	Parameter (mm)
T	4
W	45
M	10
L	53
L_1	55
BL	55 ± 1
CL	100

ENVIRONMENTAL SPECIFICATIONS

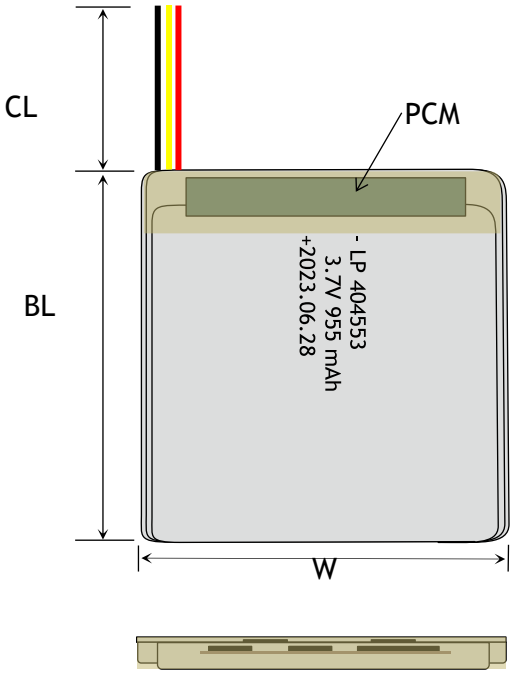
Charging Temperature Range	0 - 45°C
Discharging Temperature Range	-20 - 60°C
Storage Period 1 Week	-20 - 45°C
Storage Period 1 Month	-10 - 45°C
Storage Period 6 Months	0 - 35°C

BATTERY PROTECTION

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

MECHANICAL SPECIFICATIONS

Dimensions	55x 45 x 4 mm(L*W*T)
Weight	Around 15 g
Battery Terminals	WC/ FL *



CERTIFICATION

Certification Approval	PLEASE CONSULT SALES

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

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

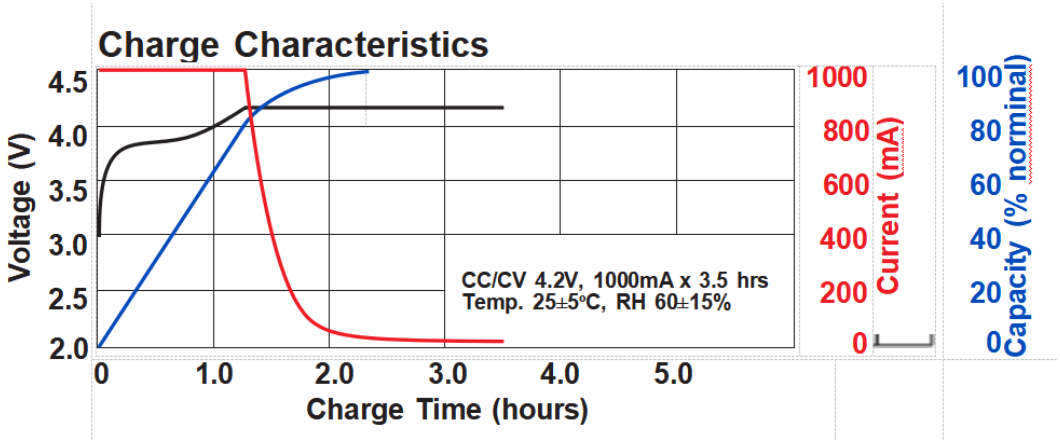


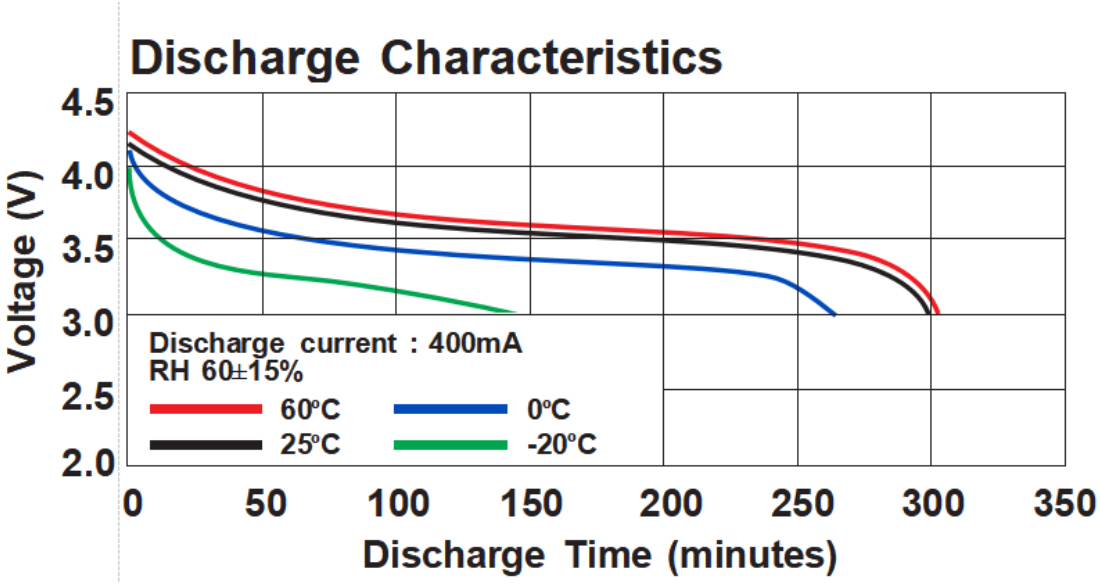
Power Button



Upgrade to LifePo4 tech and life circle up to 1500

RELATIVE CURVES





ANNOUNCEMENT

- If you notice your LiPo battery pack is swelling while charging, stop the charging process immediately, put the battery in a safe non-flammable metal container and observe it.
- LiPo batteries must only be charged with a manufacturer recommended LiPo charger.
- Do not crush or bend the battery.
- Do not store batteries with metal.
- Contact EHRS if LiPo battery packs are to be fabricated in-house.
- Do not store together with fire accelerating products
- Avoid placing the battery near sources of ignition.
- Charge on a non-flammable surface (concrete, ceramic, steel) away from any flammable material
- Connecting the LiPo Battery to the Charger (Read the Charger Instructions)
- Do not open the battery system or modules unless you have a risk assessment, training and permission.
- In premises that also provide sleeping accommodation, serious consideration should be given, wherever practicable, to using timers to control socket outlets used for charging equipment