3.7V Lithium Polymer Battery Data Sheet

Model: 553937

Please Find More:

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

File Number: A/FP3937-1069

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/

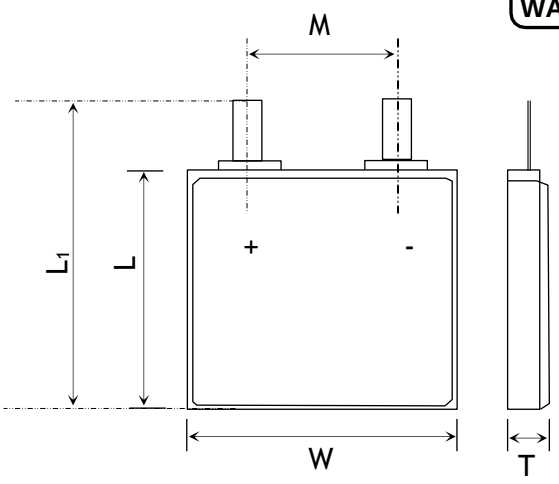
DNK POWER COMPANY LIMITED

BATTERY SPECIFICATION

Part Number	DNK 553937
Nominal Voltage	3.7 V
Nominal Capacity	795 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	5
W	39
M	10
L	37
L_1	39
BL	39 ± 1
CL	100

ENVIRONMENTAL SPECIFICATIONS

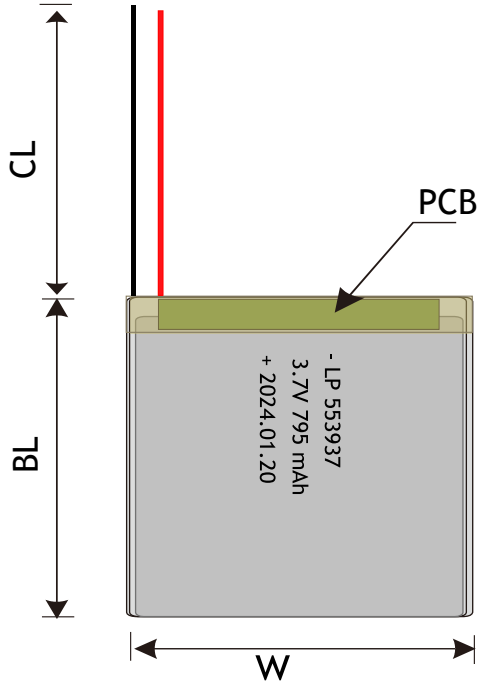
Charging Temperature Range	0 - 45°C
Discharging Temperature Range	-20 - 60°C
Storage Period 1 Week	-20 - 45°C
Storage Period 1 Month	-10 - 45°C
Storage Period 6 Months	0 - 35°C

BATTERY PROTECTION

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

MECHANICAL SPECIFICATIONS

Dimensions	39x 39 x 5 mm(L*W*T)
Weight	Around 13 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

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

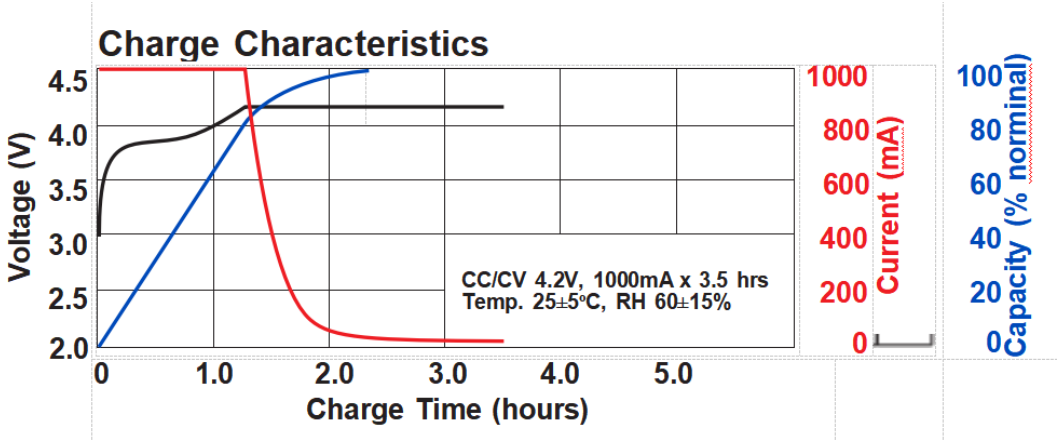


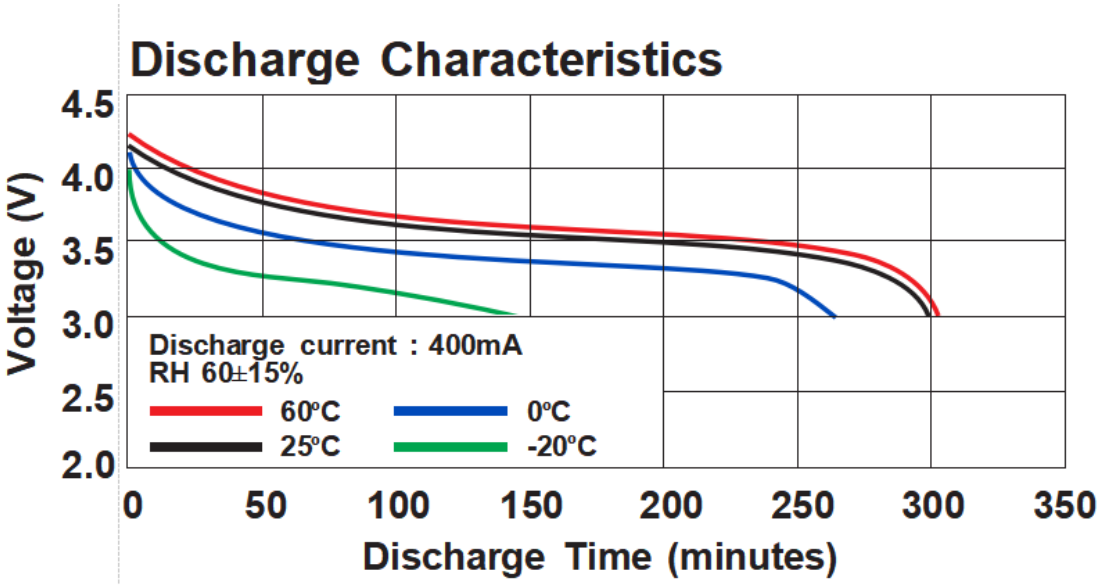
Power Button



Upgrade to LifePo4 tech and life circle up to 1500

RELATIVE CURVES





ANNOUNCEMENT

- All batteries should be stored, charged and used in accordance with the manufacturer's instructions.
- Do not inhale the smoke/fumes of a LiPo battery that is on fire. The smoke is toxic. Leave the area and call 911.
- Only ever use a charger specifically designed to charge Lithium Polymer cells. Failure to do so may a cause fire, which may result in personal injury and/or property damage.
- Never use a charger that is NOT specifically designed to charge Lithium Polymer cells.
- ALWAYS download a copy of the Safety Data Sheet (SDS) for the battery on the manufacturer's website or by contacting the manufacturer. Review and understand the hazards of the battery before storing, charging, or using.
- ALWAYS constantly supervise LiPo batteries on charge and NEVER LEAVE UNATTENDED.
- 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 put LiPo batteries or battery packs in pockets, drawers or bags where they might make contact with something made of metal. This can cause a short circuit.
- The battery must be discharged at less than the maximum discharge current specified in the battery instruction manual. High discharging current may reduce the discharging capacity significantly or cause over-heat.
- NEVER put discarded batteries in piles.

- Do not charge Lipo batteries inside a car. Do not charge Lipo batteries inside a RC model.