3.7V Lithium Polymer Battery Data Sheet

Model: 553441

Please Find More:

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

File Number: A/FP3441-6488

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/

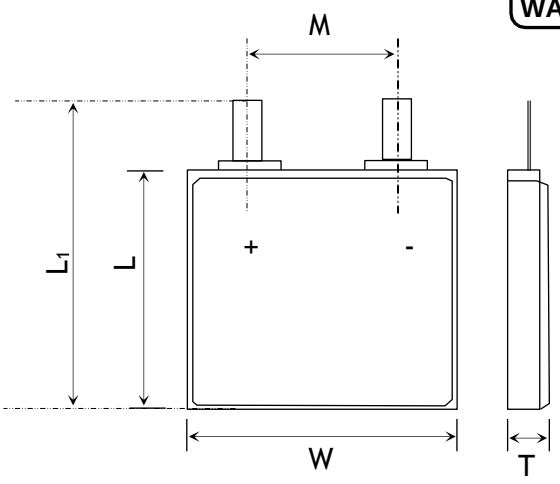
DNK POWER COMPANY LIMITED

BATTERY SPECIFICATION

Part Number	DNK 553441
Nominal Voltage	3.7 V
Nominal Capacity	765 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	34
M	10
L	41
L_1	43
BL	43 ± 1
CL	100

ENVIRONMENTAL SPECIFICATIONS

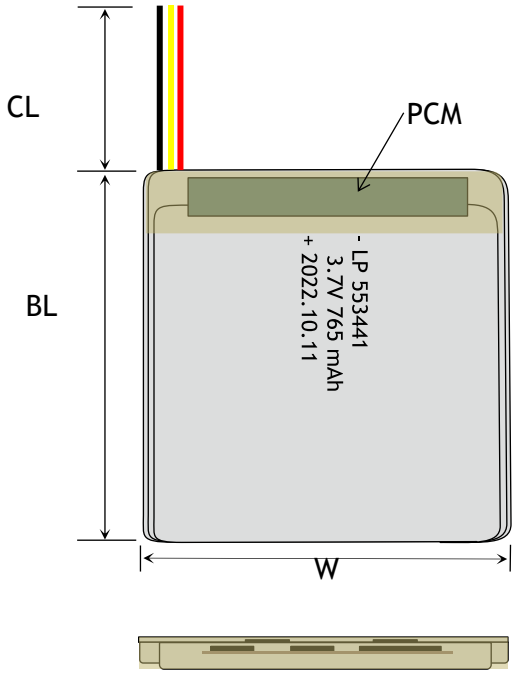
Charging Temperature Range	0 - 45°C
Discharging Temperature Range	-20 - 60°C
Storage Period 1 Week	-20 - 45°C
Storage Period 1 Month	-10 - 45°C
Storage Period 6 Months	0 - 35°C

BATTERY PROTECTION

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

MECHANICAL SPECIFICATIONS

Dimensions	43x 34 x 5 mm(L*W*T)
Weight	Around 12 g
Battery Terminals	WC/ FL *

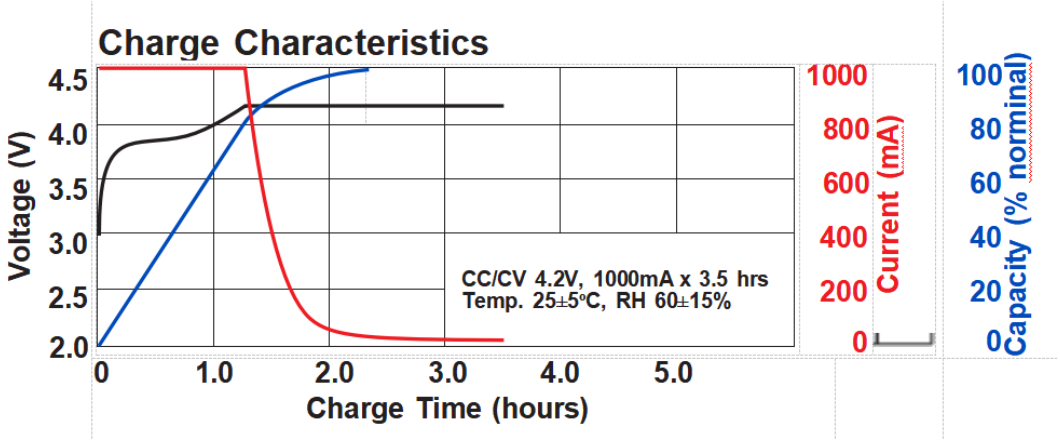


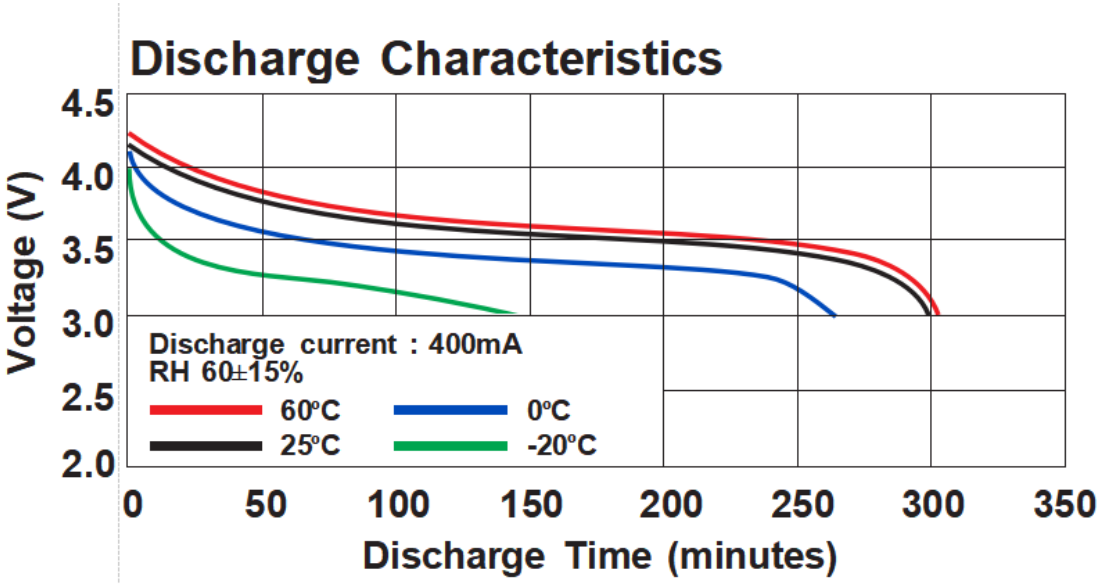
CERTIFICATION

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

- ALWAYS store batteries away from heat sources.
- Slow down the charging and discharging rate of the battery in low temperature environment.
- Be careful of the polarity when connecting and disconnecting batteries.
- Never charge a LiPo battery on a wooden or other combustible (carpeted) surface. Always charge LiPo batteries on surfaces made of cement, steel, ceramic or stone.
- The battery must be protected from physical contact with any other part of the model.
- Never leave batteries unattended where they can be damaged by someone.
- ALWAYS activate the building fire alarm system and call 9-1-1 to notify the fire department.
- Over-charging LiPo batteries will damage them and possibly cause a fire. (above 4.20V per cell is considered overcharged).
- NEVER leave your LiPo battery unattended while charging.
- Ensure connectors are insulated correctly to prevent short circuit in handling or storage.
- Always follow the manufacturer’s safety instructions