3.7V Lithium Polymer Battery Data Sheet

Model: 503333

Please Find More:

https://www.fpbattery.com/3-7v-500mah-lithium-polymer-battery/

File Number: A/FP3333-2067

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/

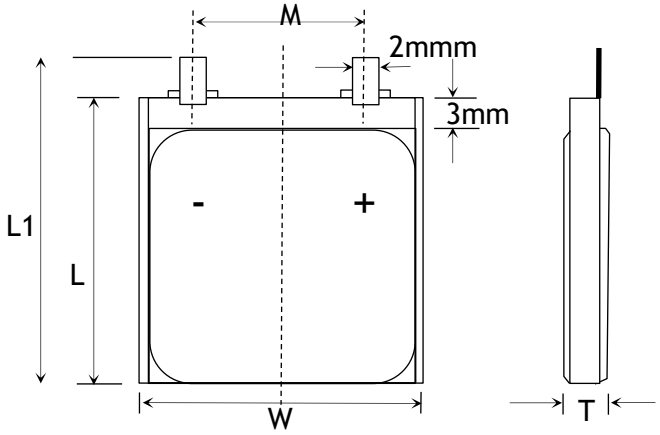
DNK POWER COMPANY LIMITED

BATTERY SPECIFICATION

Part Number	DNK 503333
Nominal Voltage	3.7 V
Nominal Capacity	545 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	33
M	10
L	33
L_1	35
BL	35 ± 1
CL	100

ENVIRONMENTAL SPECIFICATIONS

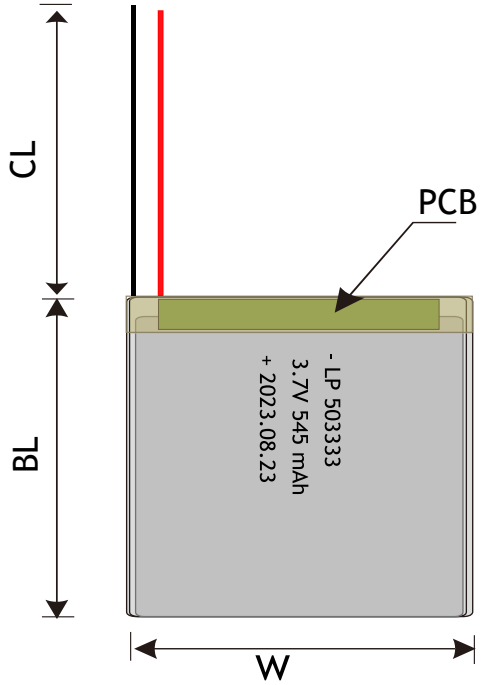
Charging Temperature Range	0 - 45°C
Discharging Temperature Range	-20 - 60°C
Storage Period 1 Week	-20 - 45°C
Storage Period 1 Month	-10 - 45°C
Storage Period 6 Months	0 - 35°C

BATTERY PROTECTION

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

MECHANICAL SPECIFICATIONS

Dimensions	35x 33 x 5 mm(L*W*T)
Weight	Around 9 g
Battery Terminals	WC/ FL *

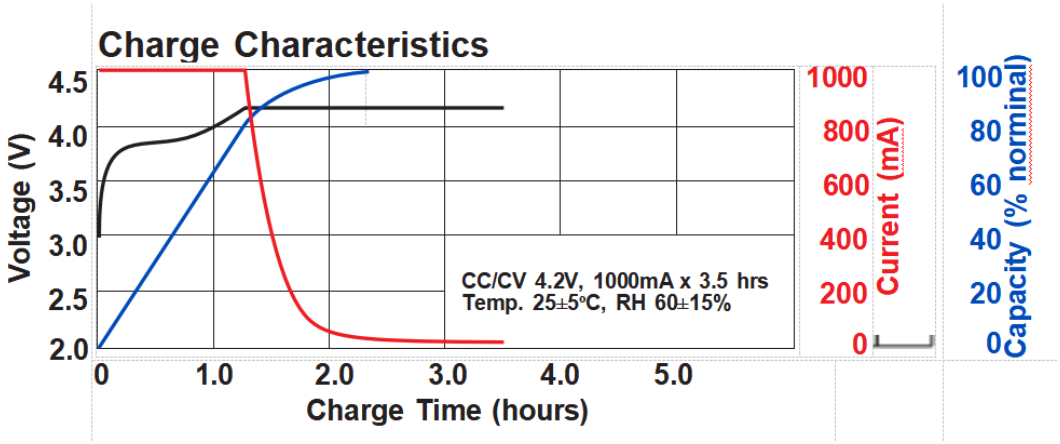


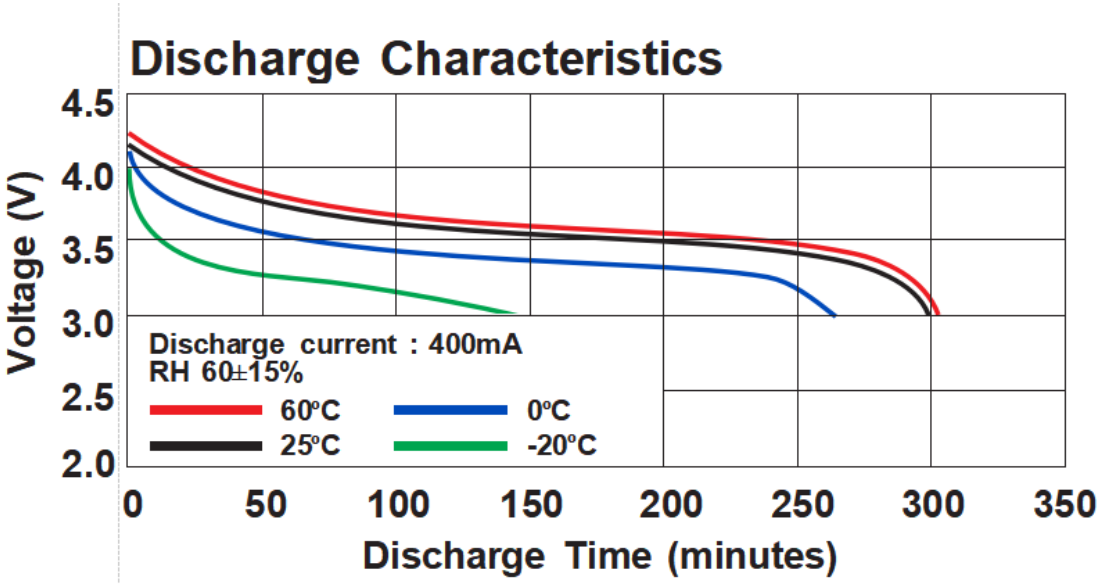
CERTIFICATION

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

- Never alter, puncture or impact Batteries or related components.
- Do not allow children to touch the battery, especially untrained children.
- Always use a proper balance discharger when discharging your batteries
- 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 charge Batteries inside of the model.
- Avoid prolonged use of the device with a low battery.
- When using an adapter, select an output voltage and current that meets the needs of the battery.
- DO NOT make or build your own charging circuit.
- Do not disassemble and damage the battery.
- If the battery develops an abnormal condition, stop using it immediately.
- Do not mix batteries of different models or capacities.