3.7V Lithium Polymer Battery Data Sheet

Model: 505436

Please Find More:

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

File Number: A/FP5436-92

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/

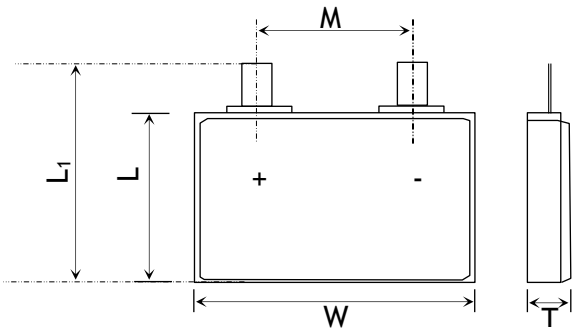
DNK POWER COMPANY LIMITED

BATTERY SPECIFICATION

Part Number	DNK 505436
Nominal Voltage	3.7 V
Nominal Capacity	970 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	54
M	10
L	36
L_1	38
BL	38 ± 1
CL	100

ENVIRONMENTAL SPECIFICATIONS

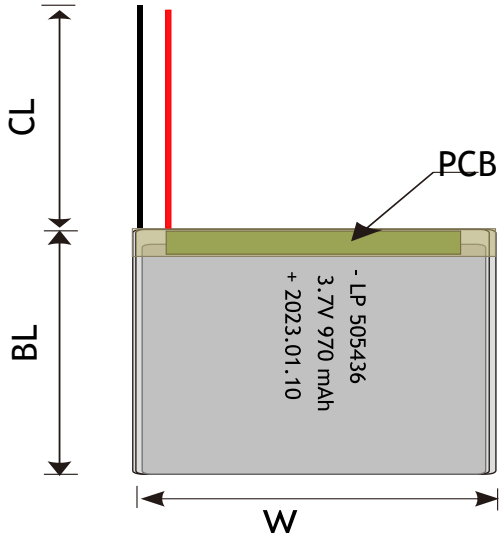
Charging Temperature Range	0 - 45°C
Discharging Temperature Range	-20 - 60°C
Storage Period 1 Week	-20 - 45°C
Storage Period 1 Month	-10 - 45°C
Storage Period 6 Months	0 - 35°C

BATTERY PROTECTION

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

MECHANICAL SPECIFICATIONS

Dimensions	38x 54 x 5 mm(L*W*T)
Weight	Around 16 g
Battery Terminals	WC/ FL *

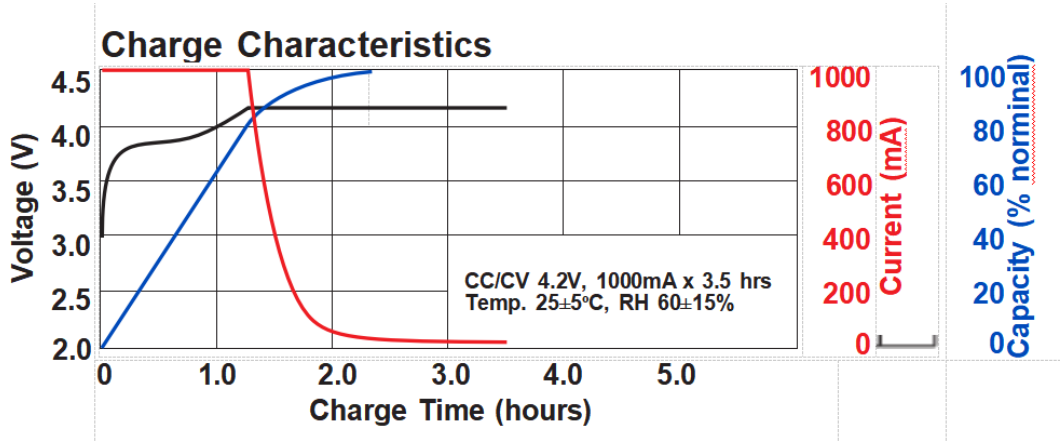


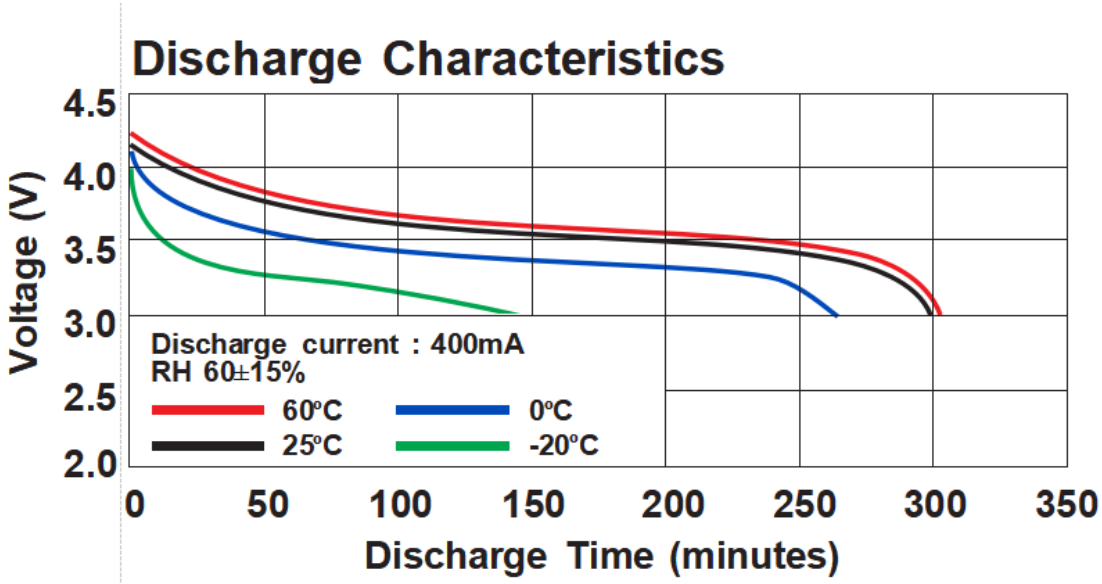
CERTIFICATION

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

- Avoid prolonged use of higher power devices.
- NEVER attempt to charge a one-time-use (non-rechargeable) Li-Ion or LiPo battery.
- ALWAYS store batteries away from any materials that can catch fire.
- NEVER leave your LiPo battery unattended while charging.
- Double check that the setting for the lithium polymer charger is correct for the pack being charged – this includes the cell count as well as the current settings.
- 3.6V~3.9V range. Always store your LiPo pack in a safe and non flammable container away from flammable objects.
- Ensure that all cells in a battery maintain the same voltage across all cells at all times.
- When batteries are transported in a vehicle, temperatures should be higher than 14˚F (-10˚C) but not over 140˚F (60˚C) .
- Check the voltage of the pack or cells before charging. Do not attempt to charge any pack if the open voltage is lower than the Lowest Open Voltage. Check the voltage of each cell before charging via the balance connector. If the voltage of any cell is less than 3.0V/cell, remove it from service, and dispose of it properly.
- 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.
- Store batteries in a location with low humidity, free from corrosive gas & combustible materials, within the temperature range of 14˚F (-10˚C) and 104˚F (40˚C). For best results, storage between from 41˚F (5˚C) and 77˚F (25˚C) is recommended.