3.7V Lithium Polymer Battery Data Sheet

Model: 503436

Please Find More:

https://www.fpbattery.com/3-7v-600mah-lithium-polymer-battery/

File Number: A/FP3436-3259

File Version: 01

CONTACT

CUSTOMER SERVICE
86.755.3682.7358
sales@fpbattery.com
Hours of Operation:
9:00am-6:00pm CST, Monday to Friday

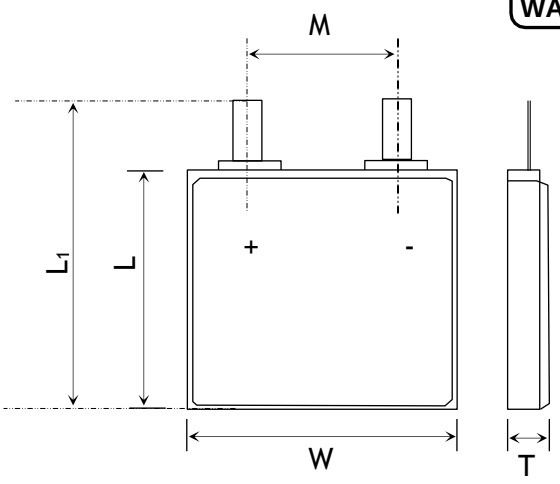
LEARN MORE ON:
https://www.fpbattery.com/

DNK POWER COMPANY LIMITED

BATTERY SPECIFICATION

Part Number	DNK 503436
Nominal Voltage	3.7 V
Nominal Capacity	610 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 YEAR WARRANTY



Item	Parameter (mm)
T	5
W	34
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

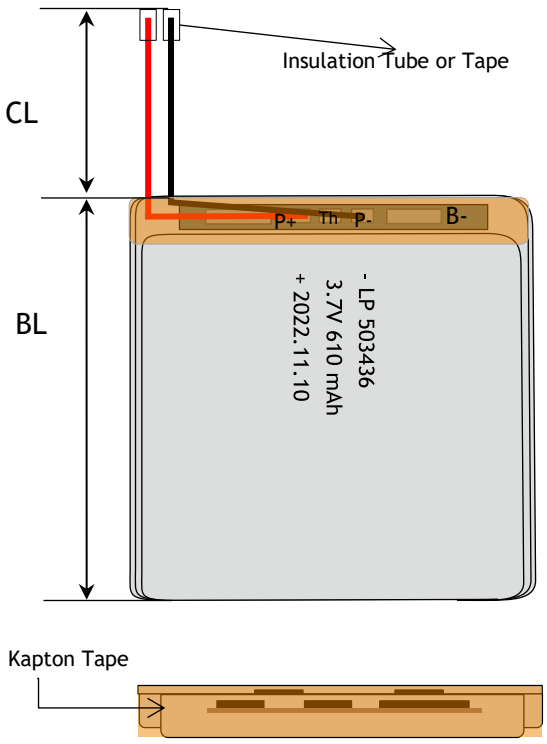
MECHANICAL SPECIFICATIONS

Dimensions	38x 34 x 5 mm(L*W*T)
Weight	Around 10 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

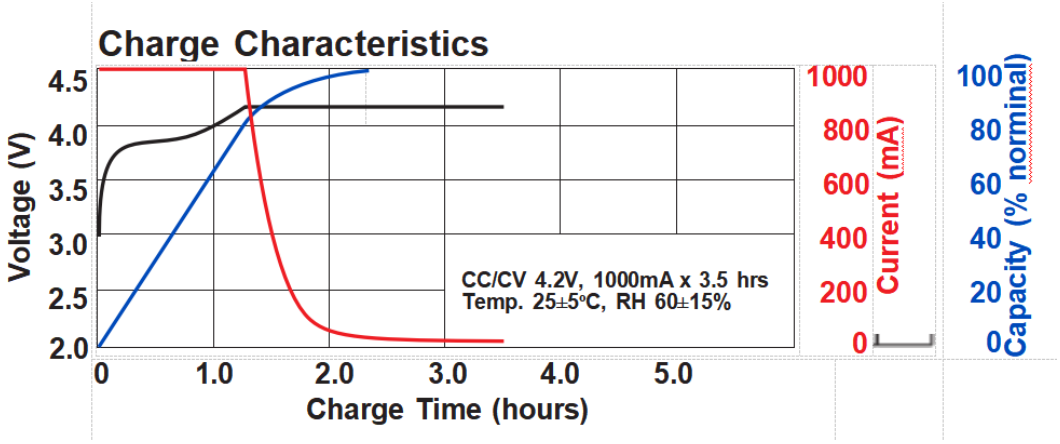
Popular JST,Molex,Hirose,Anderson available

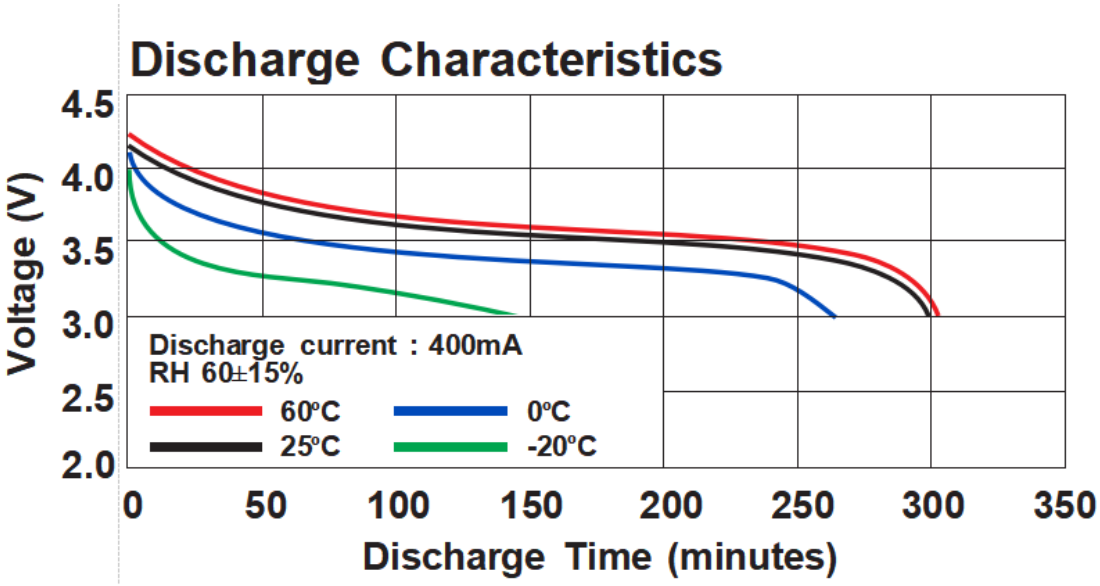
LED Power Indicator

Power Button

Upgrade to LifePo4 tech and life circle up to 1500

RELATIVE CURVES





ANNOUNCEMENT

- Every time a battery is not used actively (e.g. for more than 3 days), it should be placed in the storage area tAVOID being damaged and becoming unsafe.
- The discharge temperature range is between 32°F (0°C) and 113°F (45°C).
- Never charge Batteries inside of the model.
- Do not throw the battery in a fire.
- 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.
- NEVER leave your LiPo battery unattended while charging.
- Do not overcharge the battery and observe the charger and battery charge time instructions.
- AVOID storing Li-ion batteries with metal objects, including in a drawer with coins.
- Avoid dropping batteries, dropping Lipos can cause the battery cell to crush causing an internal short which may lead to fire.
- Do not allow the battery to be fully discharged and recharge it promptly to prolong battery life.
- If the battery swells during charging, stop charging immediately and disconnect the battery from the charger. Leave the battery outside for a few hours and observe.