3.7V Lithium Polymer Battery Data Sheet

Model: 502836

Please Find More:

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

File Number: A/FP2836-8239

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 502836
Nominal Voltage	3.7 V
Nominal Capacity	505 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)

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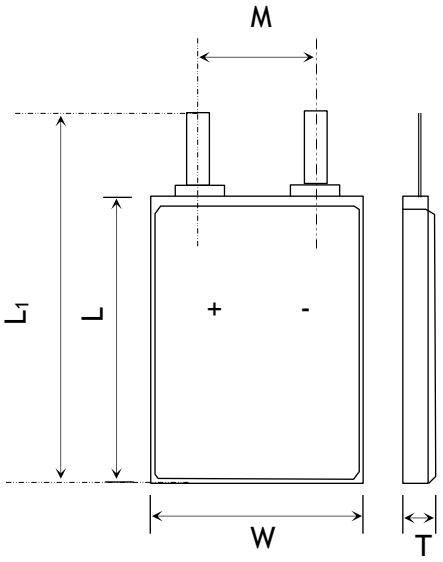
1 YEAR WARRANTY



Item	Parameter (mm)
T	5
W	28
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

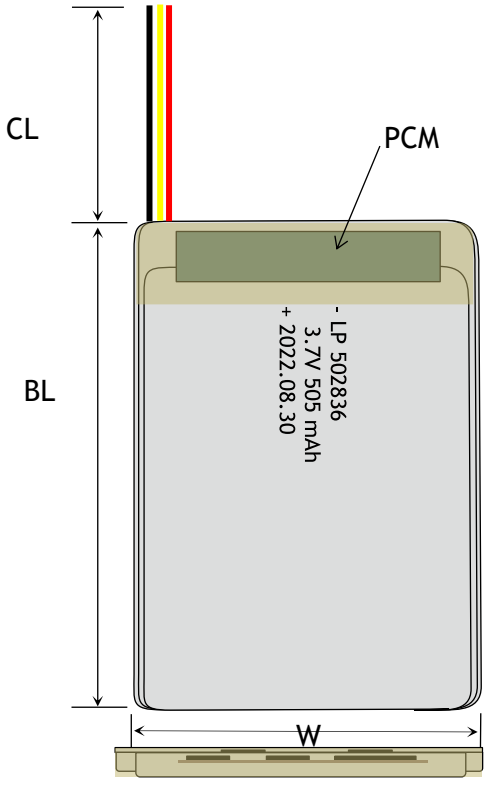
MECHANICAL SPECIFICATIONS

Dimensions	38x 28 x 5 mm(L*W*T)
Weight	Around 8 g
Battery Terminals	WC/ FL *

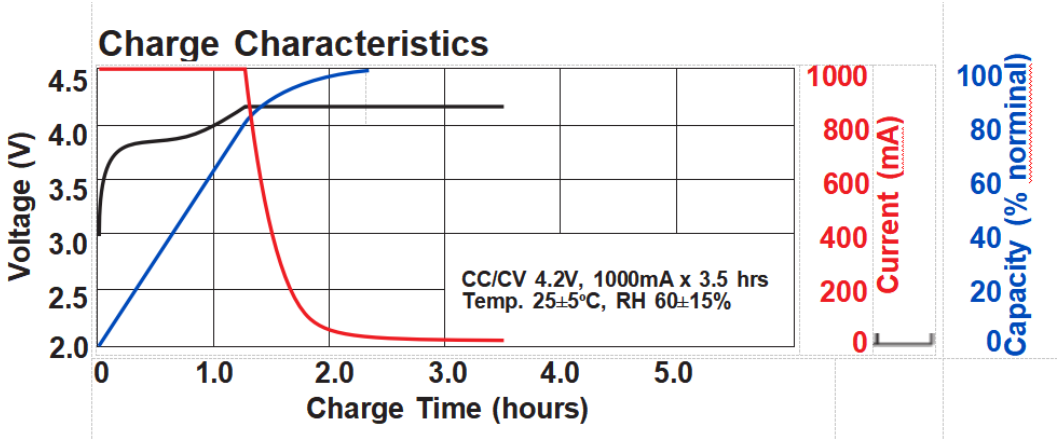
CERTIFICATION

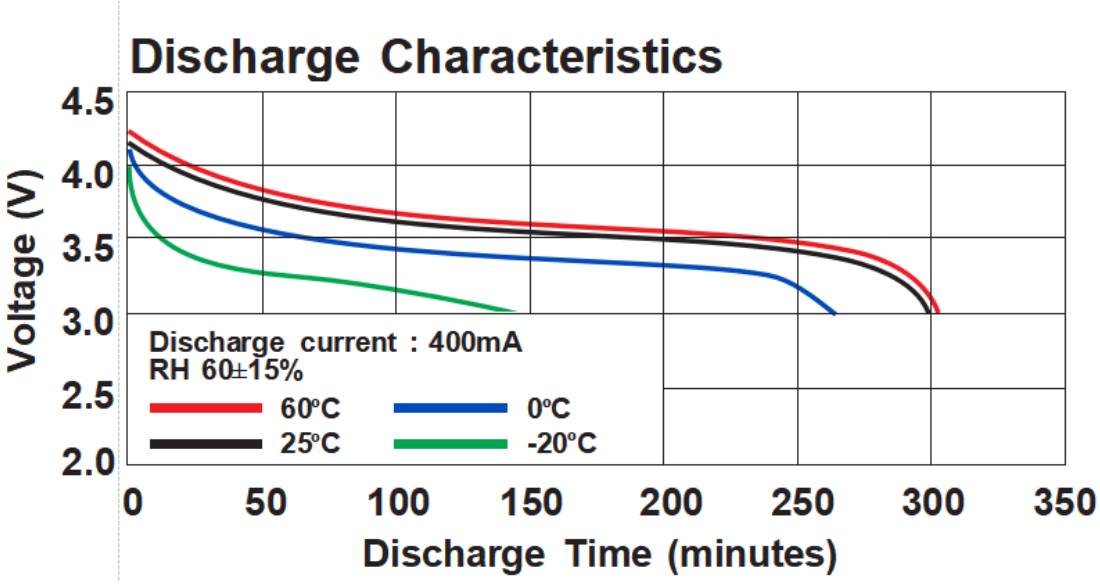
Certification Approval	PLEASE CONSULT SALES

* WC=With Connector FL=Flying Leads UWP=Blue Wrapped PVC
BWP=Black Wrapped PVC BC= Bare Cell



RELATIVE CURVES





ANNOUNCEMENT

- When batteries are transported in a vehicle, temperatures should be higher than 14°F (-10°C) but not over 140°F (60°C) .
- Ensure that you purchase the right type and size of battery that matches the requirements of your equipment.
- Over-charging LiPo batteries will damage them and possibly cause a fire. (above 4.20V per cell is considered overcharged).
- Then recycle the battery according to the instructions of your country/region. Never dispose of a LIPO battery with domestic waste.
- Do not place the battery on flammable materials near a fire source.
- Avoid exposing the battery to high humidity for long periods of time.
- Never leave a charging LiPo battery pack unattended. Never store batteries inside of an automobile.
- Store and transport in a non-flammable container
- Obtain container to safely transport LiPo batteries between the labs and use locations. Remove from vehicle once at the destination.
- Never charge a LiPo pack that has ballooned or swelled due to over/under charging or from a crash.
- The battery must be installed in the model on a flat surface.