3.7V Lithium Polymer Battery Data Sheet

Model: 503040

Please Find More:

https://www.fpbattery.com/3-7v-5500mah-lithium-polymer-battery/

File Number: A/FP3040-9197

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 503040
Nominal Voltage	3.7 V
Nominal Capacity	600 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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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

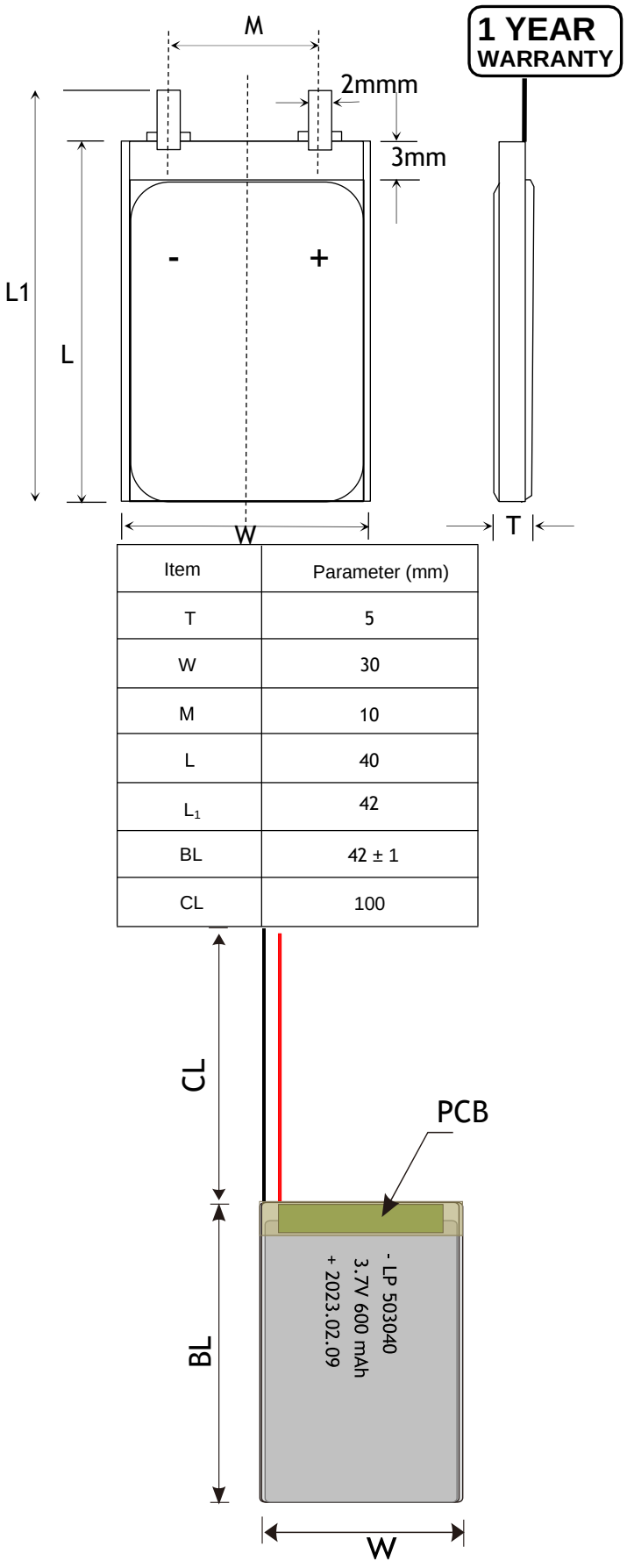
MECHANICAL SPECIFICATIONS

Dimensions	42x 30 x 5 mm(L*W*T)
Weight	Around 10 g
Battery Terminals	WC/ FL *

CERTIFICATION

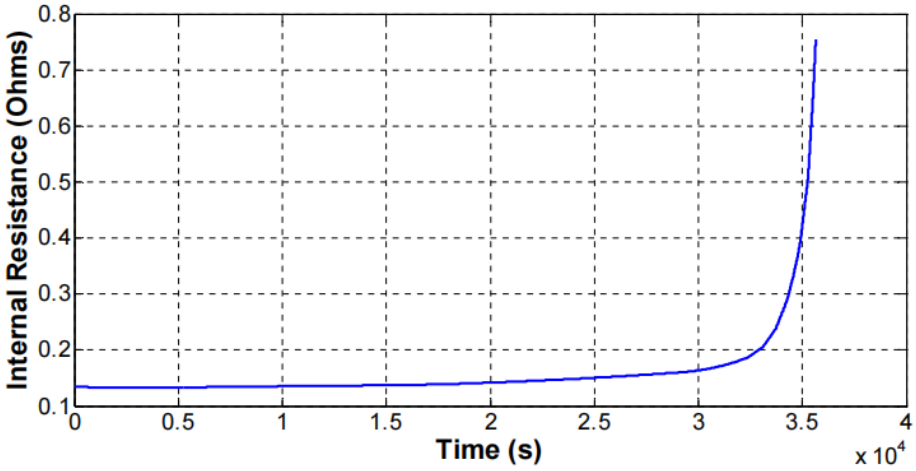
Certification Approval	PLEASE CONSULT SALES

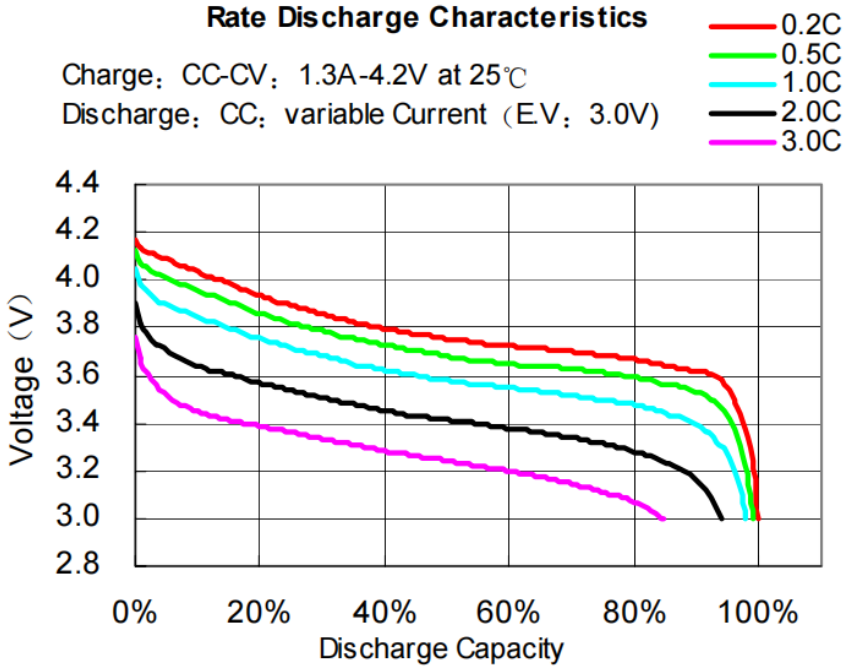
* WC=With Connector FL=Flying Leads UWP=Blue Wrapped PVC BWP=Black Wrapped PVC BC= Bare Cell



Item	Parameter (mm)
T	5
W	30
M	10
L	40
L_1	42
BL	42 ± 1
CL	100

RELATIVE CURVES





ANNOUNCEMENT

- Intact batteries can be disposed of as Universal Waste. If the battery is greater than 9V, tape the terminals before disposal.
- Do not soak the battery with water.
- ALWAYS identify and separate one-time-use batteries from rechargeable batteries.
- If the battery becomes hot, smokes, or becomes abnormal, stop using it immediately.
- NEVER alter or disassemble a Lipo battery.
- Never discharge your Li-Po battery below the Lowest Discharge Voltage. This may cause irreversible damage which will deteriorate battery performance and cycle life. An ESC with an adjustable low voltage cutoff is MANDATORY!
- Do not use the unit without its electronic management system.
- When charging a LiPo battery always use LiPo Safety Bag (Flame retardant).
- ALWAYS purchase and use batteries and devices that are listed or approved by a Nationally Recognized Testing Laboratory, such as Underwriter's Laboratories (UL) or Intertek (ETL).
- Never put batteries in your pocket or non fireproof bags this may cause the battery to short circuit.
- Place batteries suspected of being damaged into the emergency battery isolation container and monitor temperature.