3.7V Lithium Polymer Battery Data Sheet

Model: 404864

Please Find More:

https://www.fpbattery.com/1200mah-lipo-battery/

File Number: A/FP4864-9171

File Version: 01

CONTACT

CUSTOMER SERVICE
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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 404864
Nominal Voltage	3.7 V
Nominal Capacity	1200 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

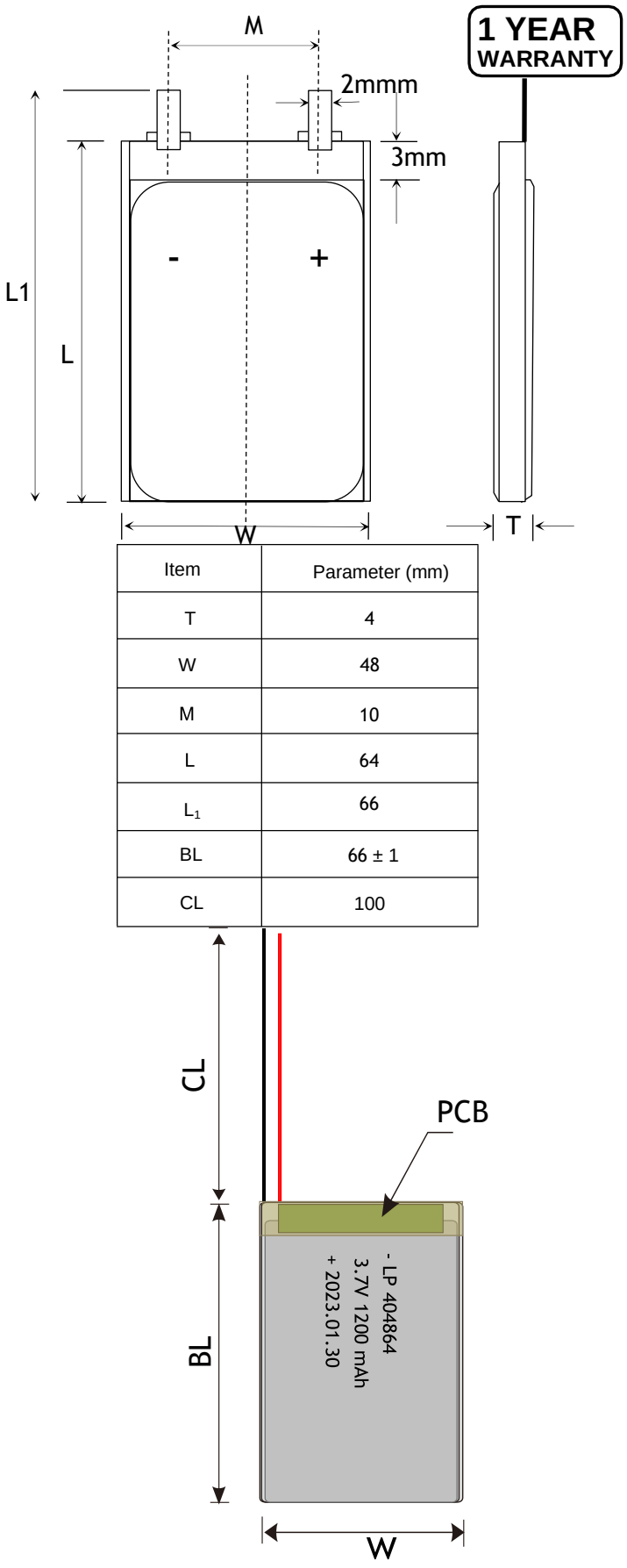
MECHANICAL SPECIFICATIONS

Dimensions	66x 48 x 4 mm(L*W*T)
Weight	Around 20 g
Battery Terminals	WC/ FL *

CERTIFICATION

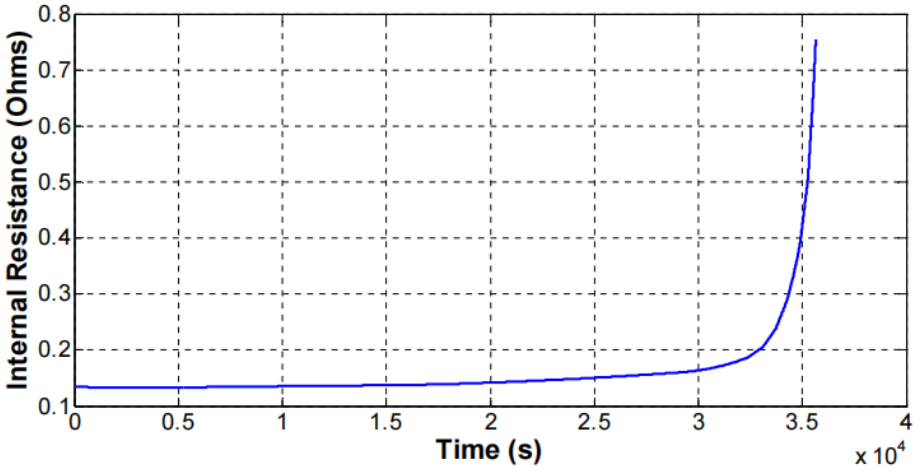
Certification Approval	PLEASE CONSULT SALES

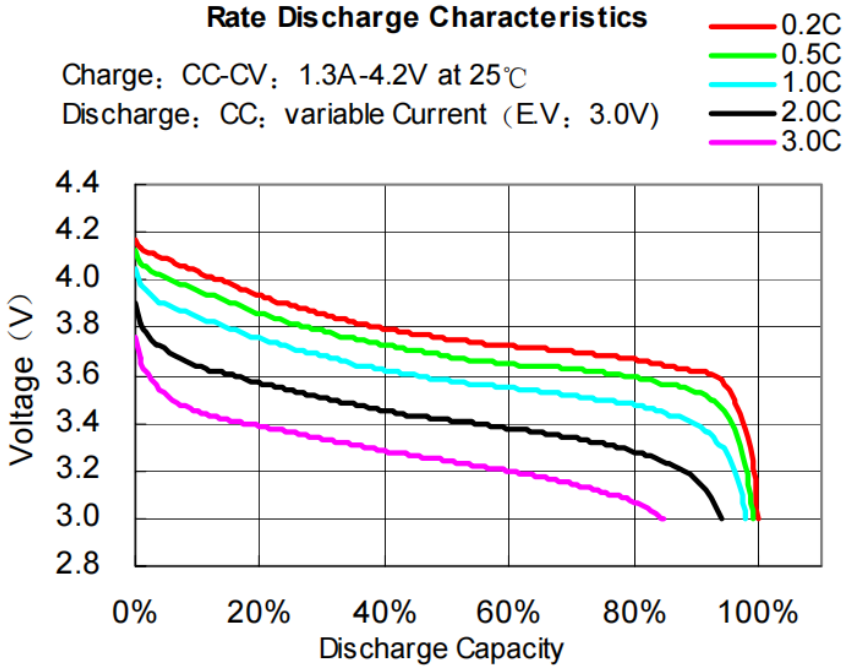
* WC=With Connector FL=Flying Leads UWP=Blue Wrapped PVC BWP=Black Wrapped PVC BC= Bare Cell



Item	Parameter (mm)
T	4
W	48
M	10
L	64
L_1	66
BL	66 ± 1
CL	100

RELATIVE CURVES





ANNOUNCEMENT

- A 1s or 1 cell LiPo battery has a nominal voltage of 3.7V. When fully charged it has a maximum voltage of 4.2V. When fully discharged, it should never go below 3.0V without risking cell damage.
- Avoid placing the battery in a damp environment.
- Do not leave Lipo batteries unattended while charging.
- If your skin or eyes come into contact with liquid from the battery, rinse thoroughly and notify a medical service for expert advice.
- Do not use water to extinguish a buttery fire Use a Class ABC dry fire extinguisher.
- Charge on a non-flammable surface (concrete, ceramic, steel) away from any flammable material
- Never charge a very hot battery as this may cause an explosion or fire.
- Do not place the battery on flammable materials near a fire source.
- Make sure the device is turned off before disconnecting the power.
- ALWAYS activate the building fire alarm system and call 9-1-1 to notify the fire department.
- Do not use the battery during charging to avoid overheating and safety accidents.