3.7V Lithium Polymer Battery Data Sheet

Model: 405587

Please Find More:

https://www.fpbattery.com/3-7v-1800mah-lithium-polymer-battery/

File Number: A/FP5587-13641

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/

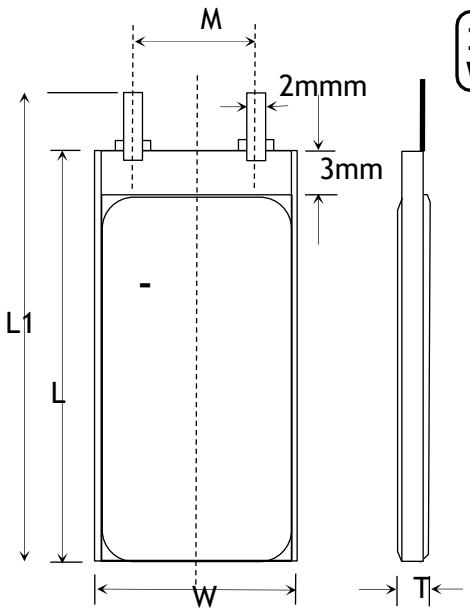
DNK POWER COMPANY LIMITED

BATTERY SPECIFICATION

Part Number	DNK 405587
Nominal Voltage	3.7 V
Nominal Capacity	1900 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



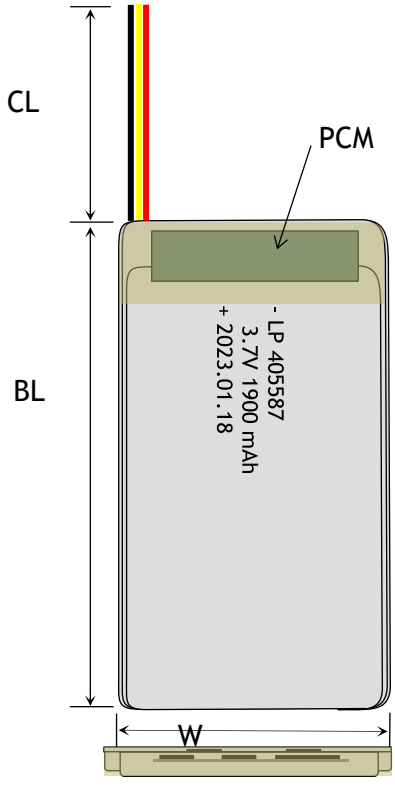
Item	Parameter (mm)
T	4
W	55
M	10
L	87
L_1	89
BL	89 ± 1
CL	100

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

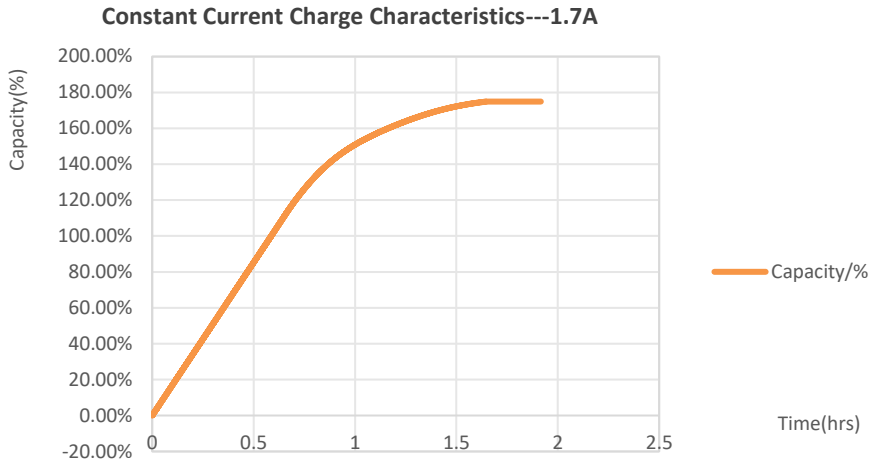
Dimensions	89x 55 x 4 mm(L*W*T)
Weight	Around 31 g
Battery Terminals	WC/ FL *

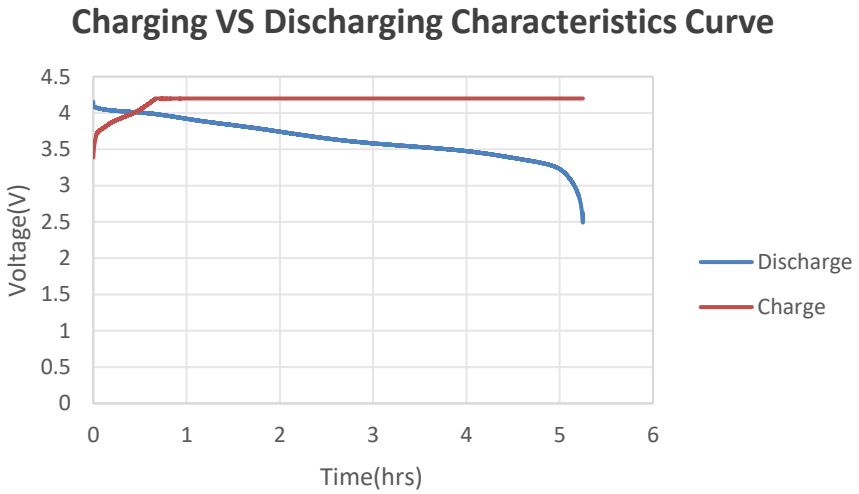
CERTIFICATION

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

- Protect from the frost, and also temperatures above 60 degrees Centigrade. Batteries should never be in the sun, on hot surfaces.
- Never alter, puncture or impact Batteries or related components.
- Make sure the battery is fully charged before use.
- Do not use unsuitable battery cover materials.
- Do not place batteries in closed containers.
- Charge on a non-flammable surface (concrete, ceramic, steel) away from any flammable material
- Discharge Lipo Battery at Environmental temperature : -20°C~60°C.
- ALWAYS visually inspect stored Li-Ion and LiPo batteries, at a minimum, weekly.
- ALWAYS identify and separate one-time-use batteries from rechargeable batteries.
- Set up dedicated charging area. Area must be free of combustible materials. Maintain space between charging batteries.
- A LiPo Sack or metal/ceramic storage container is safest. Always store your LiPo's partially charged so they maintain their performance levels overtime; there is no need to cycle them unless When storing batteries for extended periods, store at a half charged state. stored for periods longer than 36 months.