3.7V Lithium Polymer Battery Data Sheet

Model: 306581

Please Find More:

https://www.fpbattery.com/3-7v-1600mah-lithium-polymer-battery/

File Number: A/FP6581-7304

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/

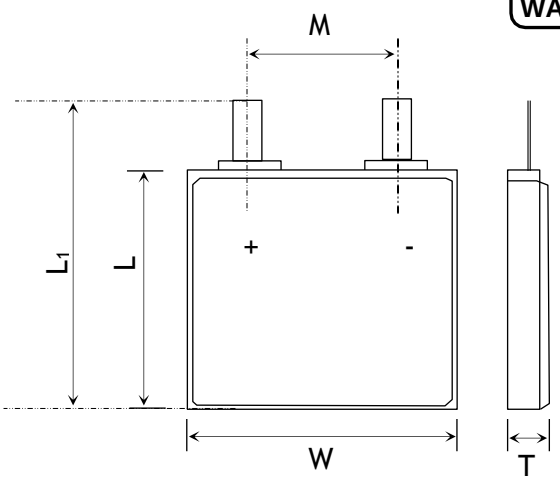
DNK POWER COMPANY LIMITED

BATTERY SPECIFICATION

Part Number	DNK 306581
Nominal Voltage	3.7 V
Nominal Capacity	1600 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	3
W	65
M	10
L	81
L_1	83
BL	83 ± 1
CL	100

ENVIRONMENTAL SPECIFICATIONS

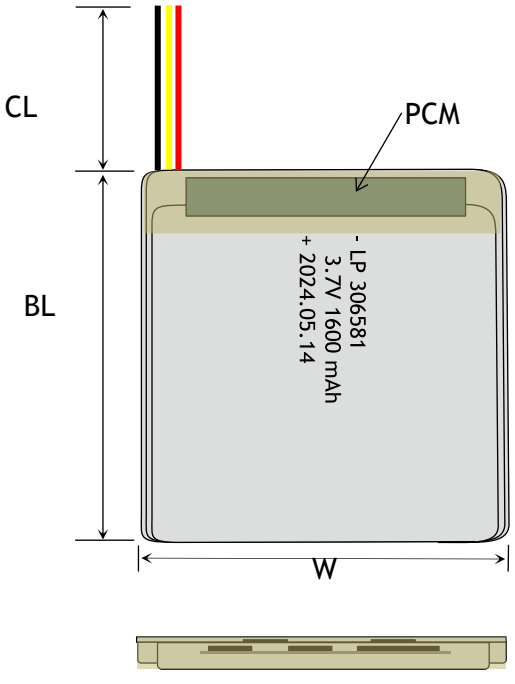
Charging Temperature Range	0 - 45°C
Discharging Temperature Range	-20 - 60°C
Storage Period 1 Week	-20 - 45°C
Storage Period 1 Month	-10 - 45°C
Storage Period 6 Months	0 - 35°C

BATTERY PROTECTION

Over Charge	4.275 ± 50mV
Over Discharge	2.5V ± 50mV
Over Current	3A to 5A
Short Circuit	Yes

MECHANICAL SPECIFICATIONS

Dimensions	83x 65 x 3 mm(L*W*T)
Weight	Around 26 g
Battery Terminals	WC/ FL *

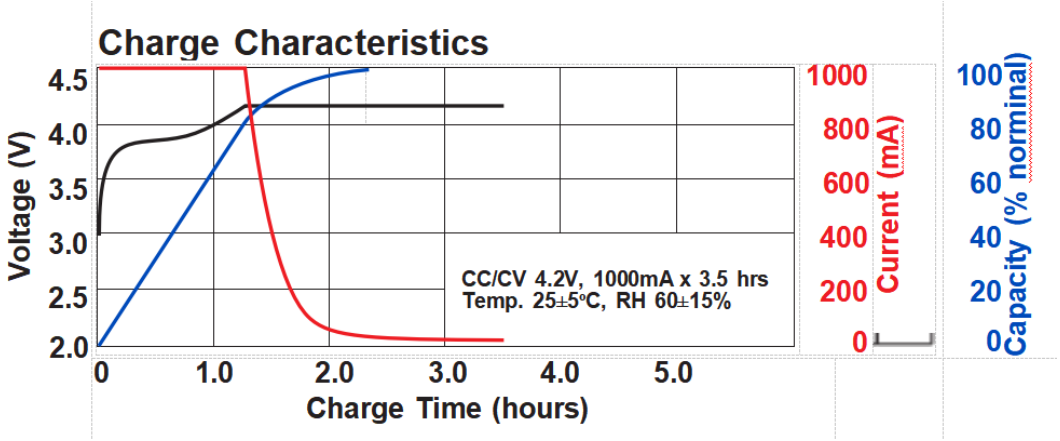


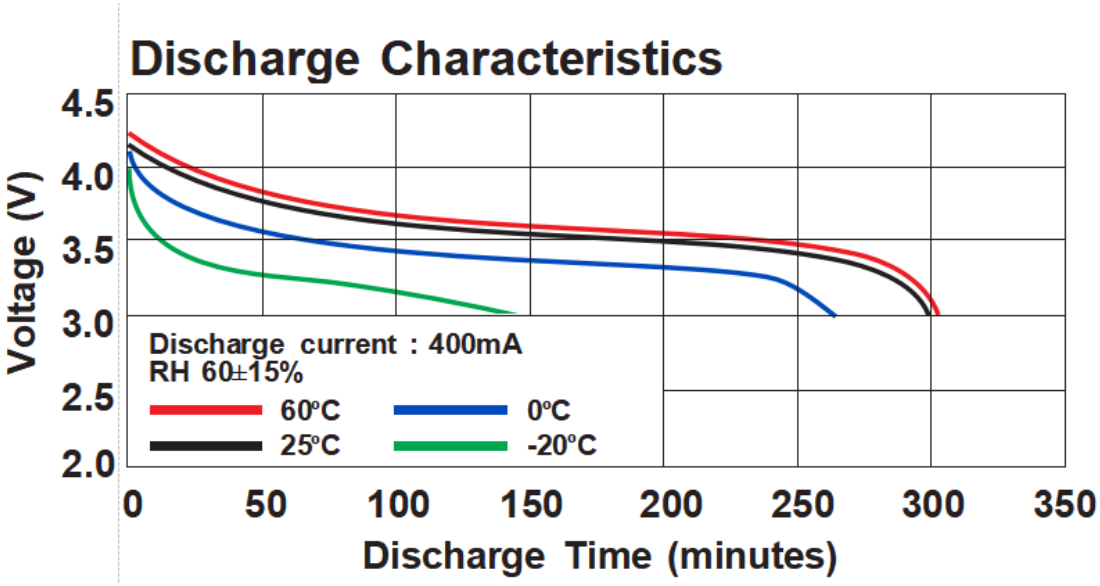
CERTIFICATION

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

- Avoid exposing the battery to high humidity for long periods of time.
- The batteries must be stored within -10°C~45°C range environmental condition.
- Avoid excessively hot and humid conditions, especially when batteries are fully charged. Do not place batteries in direct sunlight, on hot surfaces or in hot locations.
- Ensure that all cells in a battery maintain the same voltage across all cells at all times.
- All batteries should be stored, charged and used in accordance with the manufacturer's instructions.
- Always balance charge batteries using the charger's balance charging option. Otherwise, an unbalanced cell may become over charged. This will reduce the life of the battery, and possibly cause a fire which could result in personal injury and property damage.
- The discharge temperature range is between 32°F (0°C) and 113°F (45°C).
- NEVER put Li-Ion or LiPo batteries in the trash.
- Avoid using the device for a long time in a hot environment.
- Do not overcharge the battery and observe the charger and battery charge time instructions.
- Do not throw the battery in a fire.