3.7V Lithium Polymer Battery Data Sheet

Model: 306580

Please Find More:

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

File Number: A/FP6580-7079

File Version: 01

CONTACT

CUSTOMER SERVICE
86.755.3682.7358
sales@fpbattery.com
Hours of Operation:
9:00am-6:00pm CST, Monday to Friday

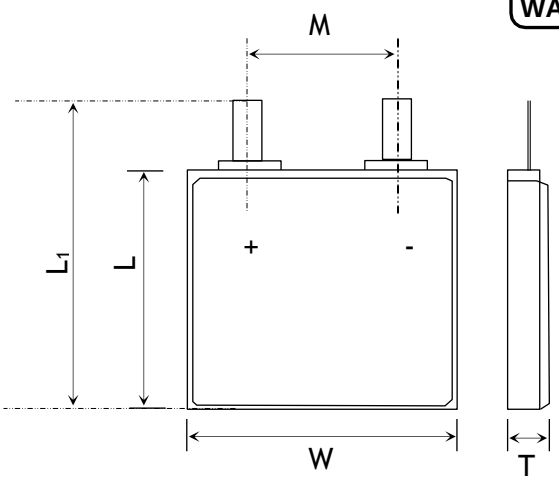
LEARN MORE ON:
https://www.fpbattery.com/

DNK POWER COMPANY LIMITED

BATTERY SPECIFICATION

Part Number	DNK 306580
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 year warranty



Item	Parameter (mm)
T	3
W	65
M	10
L	80
L_1	82
BL	82 ± 1
CL	100

ENVIRONMENTAL SPECIFICATIONS

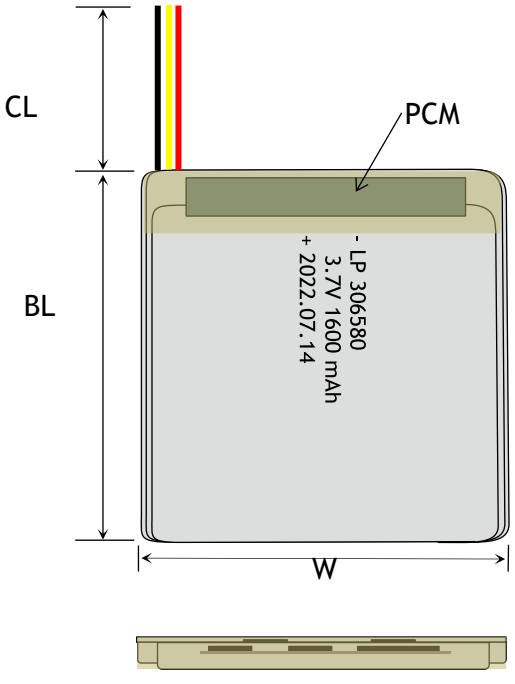
Charging Temperature Range	0 - 45°C
Discharging Temperature Range	-20 - 60°C
Storage Period 1 Week	-20 - 45°C
Storage Period 1 Month	-10 - 45°C
Storage Period 6 Months	0 - 35°C

BATTERY PROTECTION

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

MECHANICAL SPECIFICATIONS

Dimensions	82x 65 x 3 mm(L*W*T)
Weight	Around 26 g
Battery Terminals	WC/ FL *

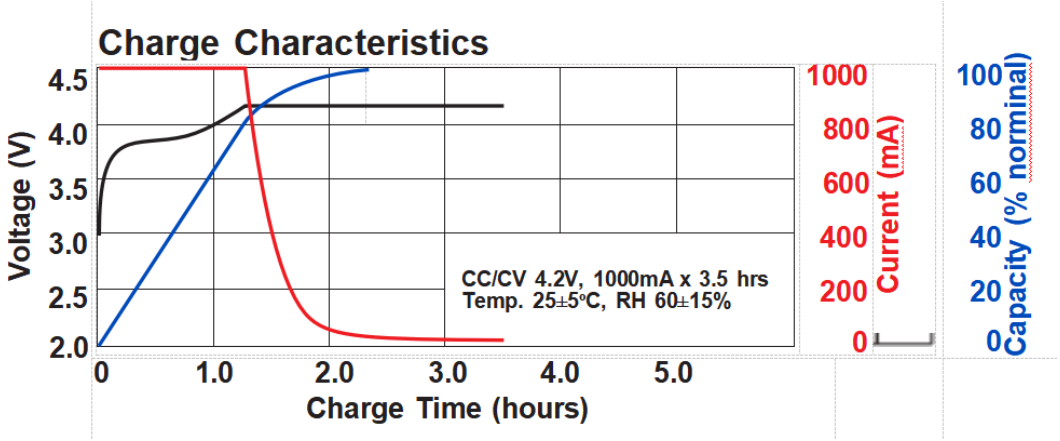


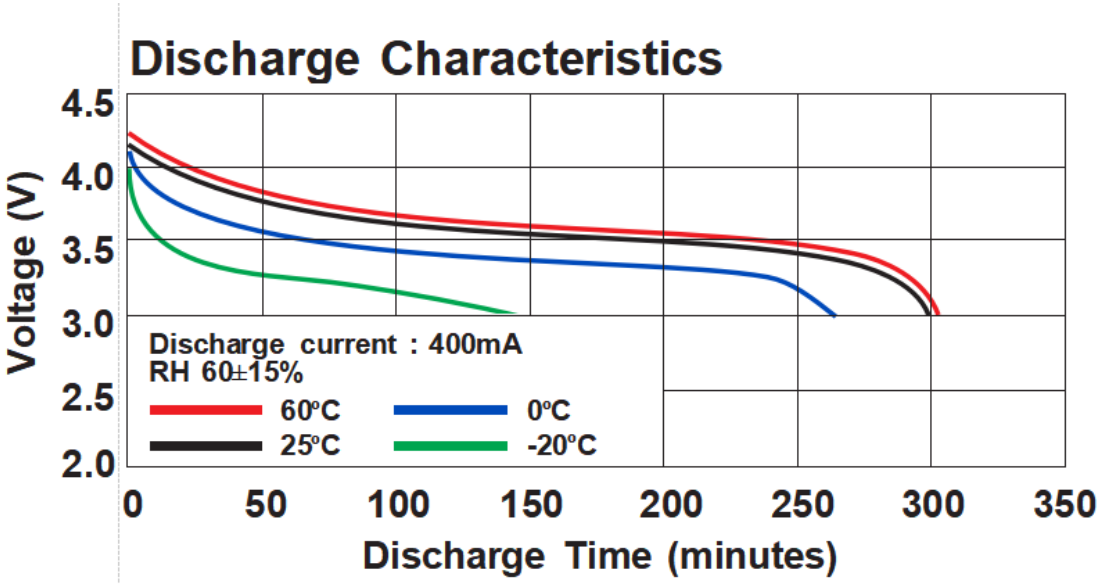
CERTIFICATION

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

- If the battery develops an abnormal condition, stop using it immediately.
- ALWAYS provide information to the fire department on their arrival: room number or location of the fire and that Li-Ion or LiPo batteries are involved.
- Misuse of a Lipo battery may result in the battery generating excessive heat, igniting or exploding. Keep batteries out of the reach of children.
- Only use chargers provided by and/or approved by the manufacturer.
- Do not use the unit without its electronic management system.
- It is essential to observe the polarity. Reverse polarity (POSITIVE and NEGATIVE) will damage the cells, cause the battery to swell and can damage your charger.
- Never charge batteries unattended.
- Store batteries in a location with low humidity, free from corrosive gas & combustible materials, within the temperature range of 14˚F (-10˚C) and 104˚F (40˚C). For best results, storage between from 41˚F (5˚C) and 77˚F (25˚C) is recommended.
- Do not fully discharge your LiPo battery pack. Discharging a LiPo beyond it's critical minimum voltage (often 3.0v) can cause damage to the battery.
- Charge on a non-flammable surface (concrete, ceramic, steel) away from any flammable material
- Do not charge hot cells after use. Warm cells are OK. Always let hot cells cool before charging.