3.7V Lithium Polymer Battery Data Sheet

Model: 307085

Please Find More:

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

File Number: A/FP7085-6669

File Version: 01

CONTACT

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

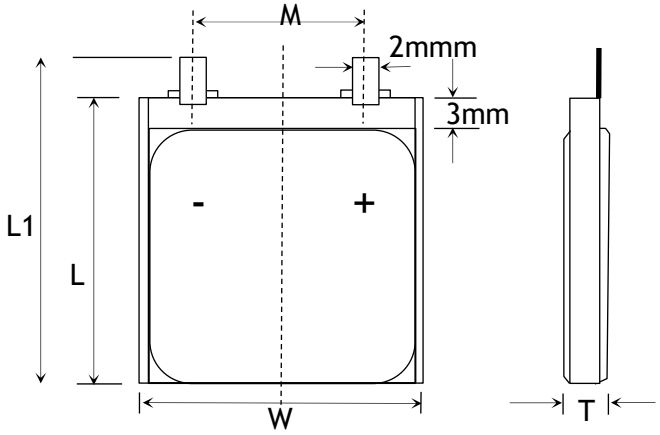
LEARN MORE ON:
https://www.fpbattery.com/

DNK POWER COMPANY LIMITED

BATTERY SPECIFICATION

Part Number	DNK 307085
Nominal Voltage	3.7 V
Nominal Capacity	1800 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



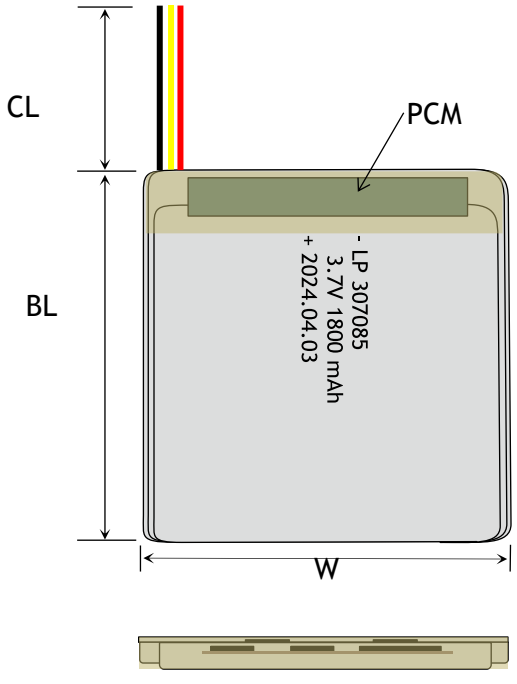
Item	Parameter (mm)
T	3
W	70
M	10
L	85
L_1	87
BL	87 ± 1
CL	100

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

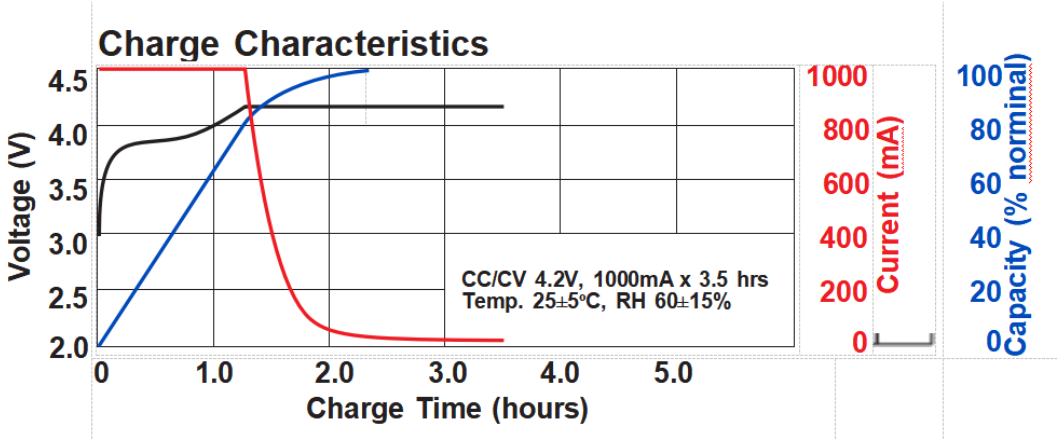
Dimensions	87x 70 x 3 mm(L*W*T)
Weight	Around 30 g
Battery Terminals	WC/ FL *

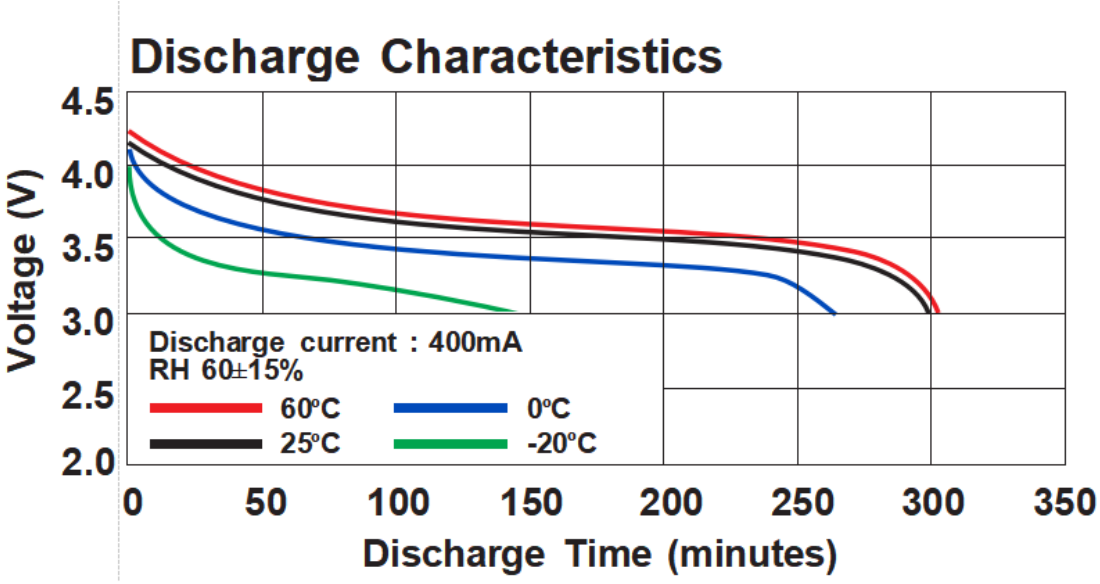
CERTIFICATION

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

- ALWAYS store batteries and devices at room temperature.
- Check the voltage of your LiPo pack before charging with a digital multimeter. Only charge if it is 3.30V or greater per cell (e.g. 9.90V for a 3S pack).
- Never discharge the battery cells below 3.2V.
- LiPo batteries have very specific charging requirements. Some chargers, such as those used for toys or cellphones, are made to charge a specific cell count and are not configurable for other cell counts. The LiPo charger used must be able to handle the cell count of the battery you arecharging.
- If at anytime you notice a cell "puff up", disconnect it immediately and cover it with a fire blanket, or put it in a non-conductive container and place it outside away from all flammable objects for at least 30 minutes as chemical reactions can take this long before a fire starts.
- Use high quality battery connectors. Using connectors that do not fit tightly into the battery socket may result in overheating and melting of the battery case. Remove the connectors from the battery after EVERY use and during storage. Failure to do so will result in plug fatigue resulting in a bad connection and possible case melting. Replace connectors frequently to preserve good connections.
- Do not crush or bend the battery.
- ALWAYS locate exits and evacuation routes in your area. Know the location of portable fire extinguishers in the area, and the location of the nearest fire alarm pull station (if the building is equipped with a fire alarm system).
- Never expose Batteries to extreme temperatures or direct sunlight. The temperature range must be between 40-120° F (4-49° C).
- For best practice store standard lipo batteries at 3.80 volts +/.05 volts per cell. Or at the manufacturer's suggested storage voltage for non standard chemistry's
- The battery should be transported with 10-50% charged states.