3.7V Lithium Polymer Battery Data Sheet

Model: 307860

Please Find More:

https://www.fpbattery.com/3-7v-1400mah-lithium-polymer-battery/

File Number: A/FP7860-240

File Version: 01

CONTACT

CUSTOMER SERVICE
86.755.3682.7358
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Hours of Operation:
9:00am-6:00pm CST, Monday to Friday

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

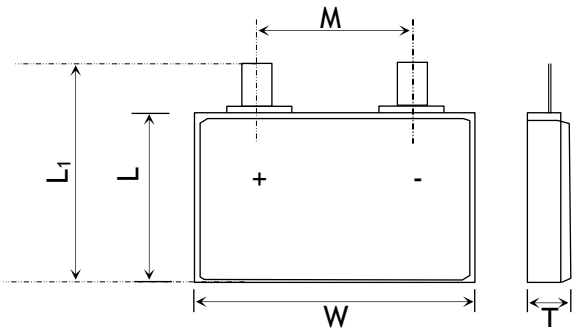
DNK POWER COMPANY LIMITED

BATTERY SPECIFICATION

Part Number	DNK 307860
Nominal Voltage	3.7 V
Nominal Capacity	1400 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	78
M	10
L	60
L_1	62
BL	62 ± 1
CL	100

ENVIRONMENTAL SPECIFICATIONS

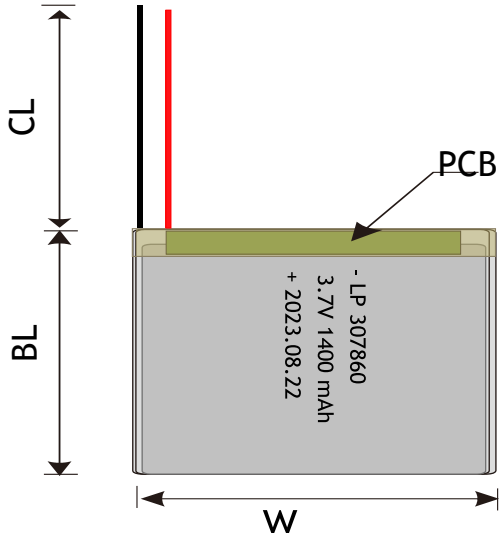
Charging Temperature Range	0 - 45°C
Discharging Temperature Range	-20 - 60°C
Storage Period 1 Week	-20 - 45°C
Storage Period 1 Month	-10 - 45°C
Storage Period 6 Months	0 - 35°C

BATTERY PROTECTION

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

MECHANICAL SPECIFICATIONS

Dimensions	62x 78 x 3 mm(L*W*T)
Weight	Around 23 g
Battery Terminals	WC/ FL *

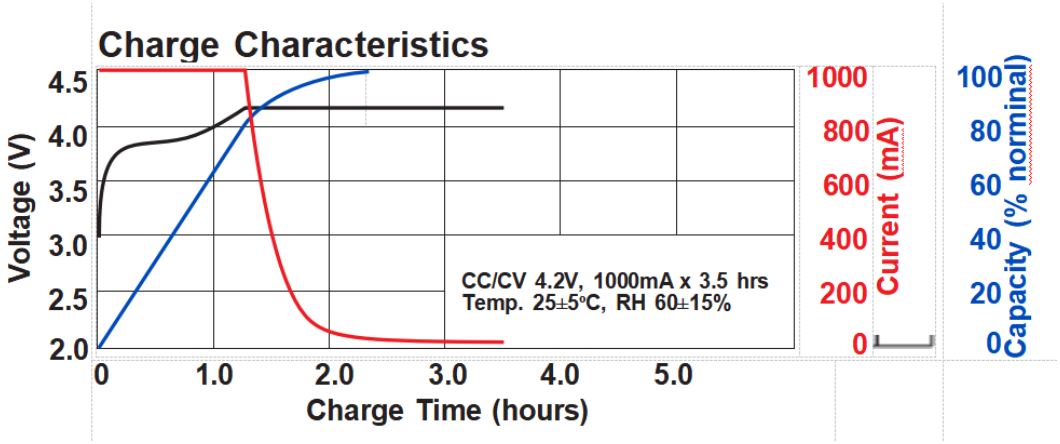


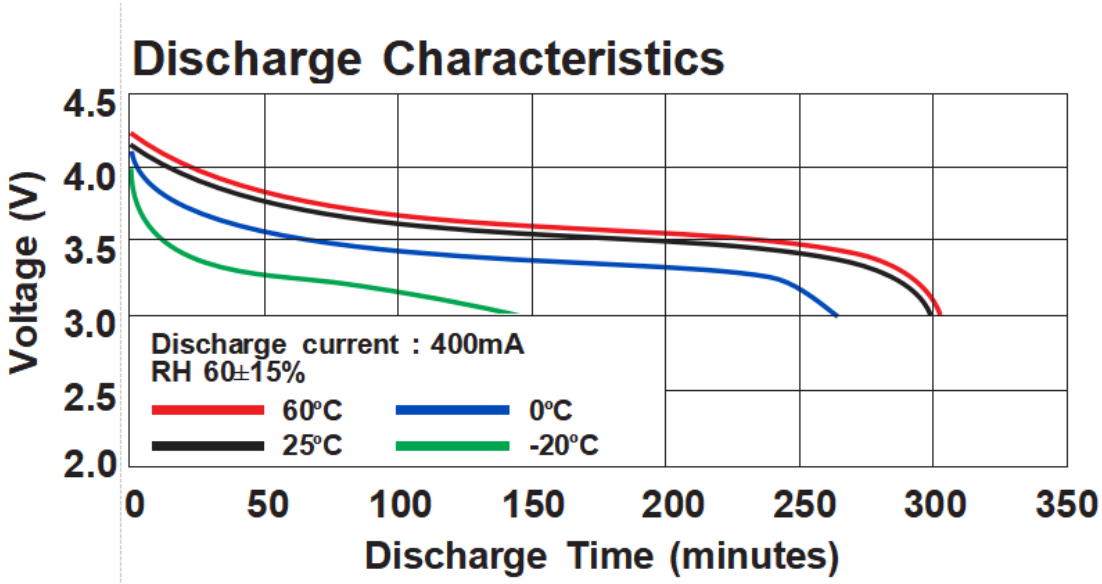
CERTIFICATION

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

- Never charge a LiPo battery while inside your model.
- Do not overcharge the battery and observe the charger and battery charge time instructions.
- Always use the appropriate balancer/charger when charging your LiPo battery pack.
- Make sure the device is turned off before disconnecting the power.
- Lithium-ion batteries assembled to offer higher voltages (over 60V) may present electrical shock and arc hazards. Therefore adherence to applicable electrical protection standards (terminal protection, shielding, PPE etc.) is required tAVOID exposure to electrical hazards.
- Do not soak the battery with water.
- Do not allow the battery to come into common contact with metal to prevent a short circuit.
- Never leave a battery unattended while charging. During the entire process of charging your LiPo battery, you must constantly observe and monitor the charging process so that you can quickly react to any problems that may occur and to be certain that the battery is being charged properly.
- Store LiPo batteries to be disposed of in a dedicated area of the battery storage cabinet or a dedicated area of the lab away from combustible materials.
- Take necessary safety measures to prevent the battery from short-circuiting.
- When selecting the cell count or voltage for charging purposes, select the cell count and voltage as it appears on the battery label. As a safety precaution, please confirm that the information printed on the battery or label is correct. (Please refer to Chart 1). Selecting the wrong cell count or charging voltage may cause fire.