3.7V Lithium Polymer Battery Data Sheet

Model: 304252

Please Find More:

https://www.fpbattery.com/3-7v-650mah-lithium-polymer-battery/

File Number: A/FP4252-7203

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

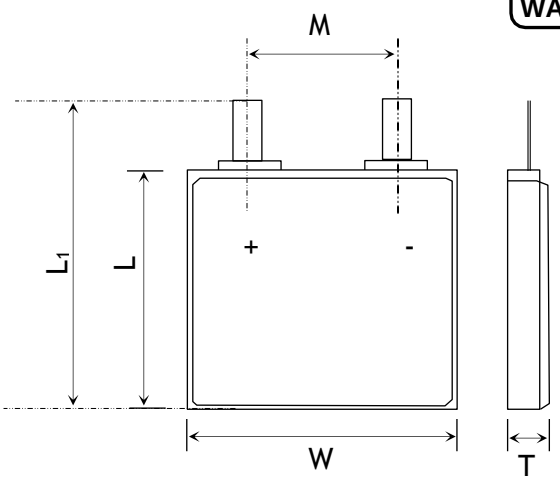
LEARN MORE ON:
https://www.fpbattery.com/

DNK POWER COMPANY LIMITED

BATTERY SPECIFICATION

Part Number	DNK 304252
Nominal Voltage	3.7 V
Nominal Capacity	655 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	42
M	10
L	52
L_1	54
BL	54 ± 1
CL	100

ENVIRONMENTAL SPECIFICATIONS

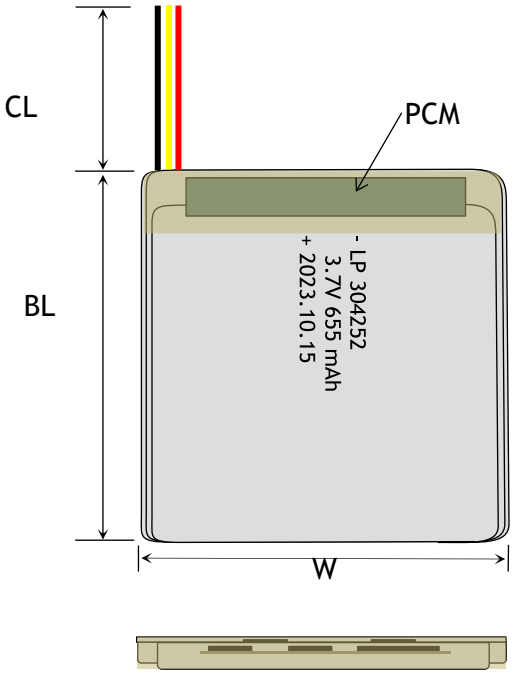
Charging Temperature Range	0 - 45°C
Discharging Temperature Range	-20 - 60°C
Storage Period 1 Week	-20 - 45°C
Storage Period 1 Month	-10 - 45°C
Storage Period 6 Months	0 - 35°C

BATTERY PROTECTION

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

MECHANICAL SPECIFICATIONS

Dimensions	54x 42 x 3 mm(L*W*T)
Weight	Around 10 g
Battery Terminals	WC/ FL *

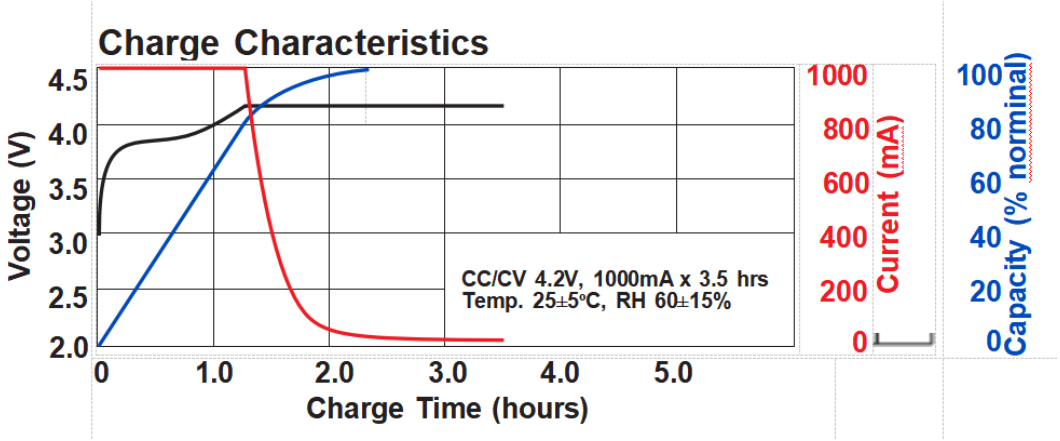


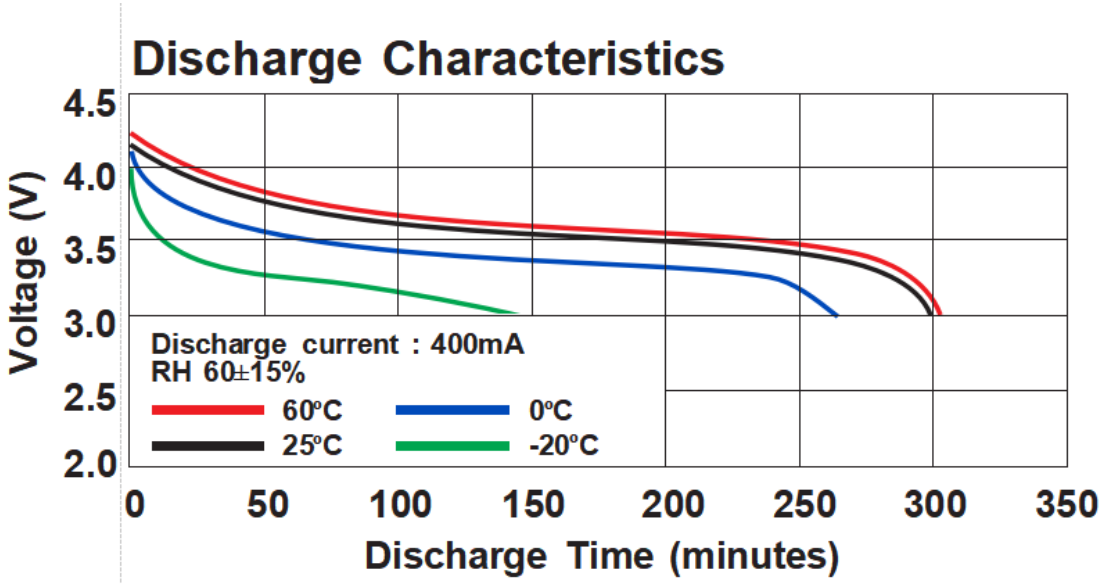
CERTIFICATION

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

- Dedicate a battery storage area free of combustible materials.
- Always use a balancer board to charge LiPo Battery with more than 1 cell.
- If the battery swells during charging, stop charging immediately and disconnect the battery from the charger. Leave the battery outside for a few hours and observe. Then recycle the battery according to the instructions of your country/region.
- When batteries are transported in a vehicle, temperatures should be higher than 14°F (-10°C) but not over 140°F (60°C) .
- Store LiPo batteries at room temperature between 5ºC and 27ºC (40ºF and 80ºF) for best results. The lower the temperature the better.
- Read the Product Specification and respect the maximum voltage (4.2V/cell). Never charge higher than 4.25V, which is the maximum voltage. Charging with a higher voltage will irreparably damage the battery and may lead to the start of a fire.
- Never expose Batteries to extreme temperatures or direct sunlight. The temperature range must be between 40-120° F (4-49° C).
- Do not discharge a LiPo battery at a rate exceeding the maximum continuous discharge current specified for it. Otherwise, the battery will overheat and result in battery deterioration, bursting, ballooning, or possibly cause a fire or explosion.
- The battery must be protected from physical contact with any other part of the model.
- NEVER put Li-Ion or LiPo batteries in the trash.
- NEVER continue to charge a device or a battery after it is fully charged, unless the manufacturer's instructions for the charger and the battery specifically state that it is allowed.