3.7V Lithium Polymer Battery Data Sheet

Model: 552835

Please Find More:

https://www.fpbattery.com/3-7v-5500mah-lithium-polymer-battery/

File Number: A/FP2835-7421

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 552835
Nominal Voltage	3.7 V
Nominal Capacity	540 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)

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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	37x 28 x 5 mm(L*W*T)
Weight	9 g
Battery Terminals	WC/ FL *

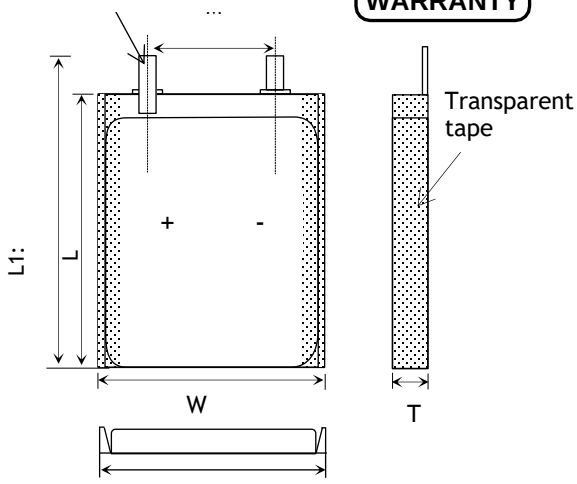
CERTIFICATION

Certification Approval	PLEASE CONSULT SALES

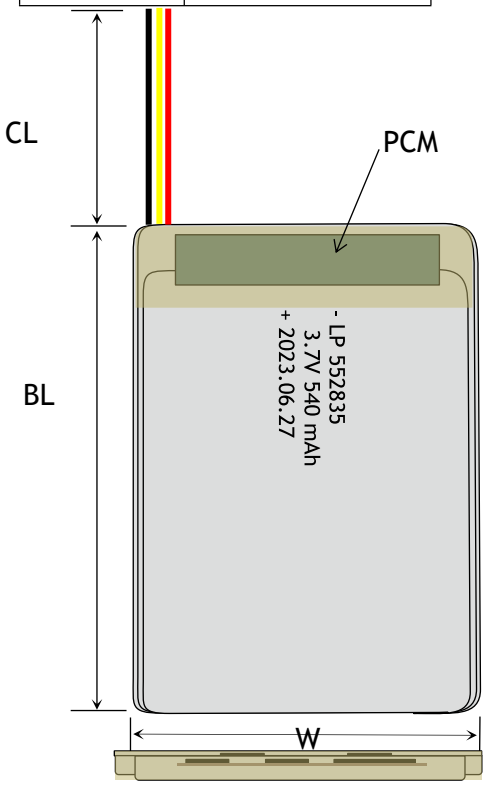
* WC=With Connector FL=Flying Leads UWP=Blue Wrapped PVC BWP=Black Wrapped PVC BC= Bare Cell

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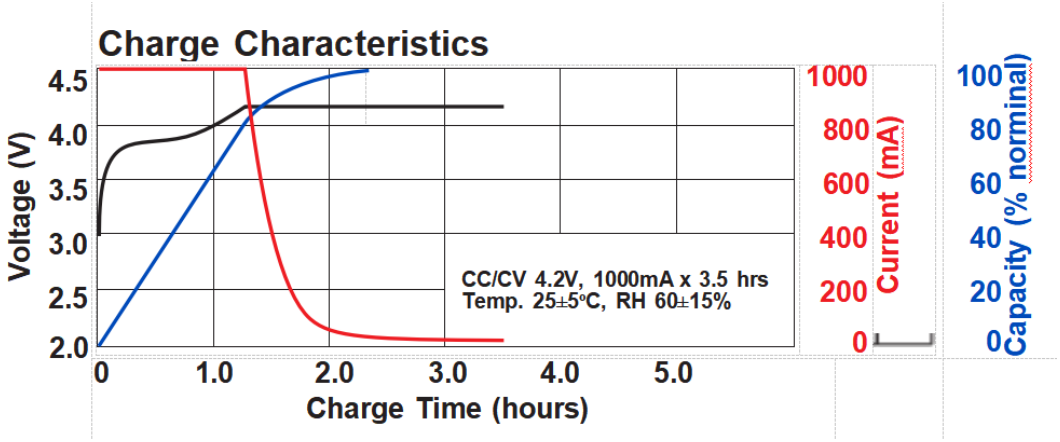
1 YEAR WARRANTY

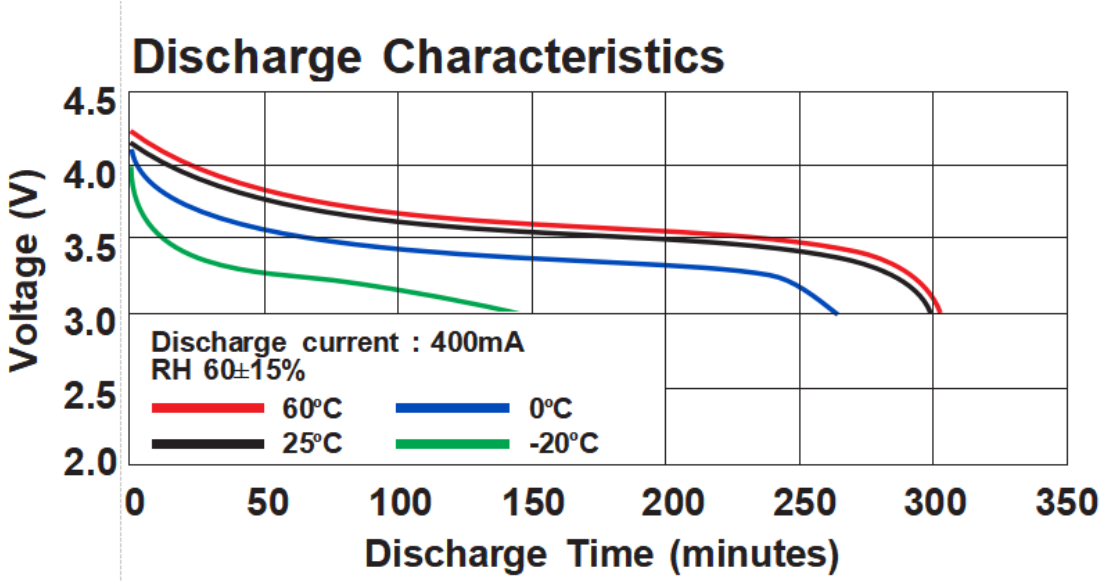


Item	Parameter (mm)
T	5
W	28
M	10
L	35
L_1	37
BL	37 ± 1
CL	100



RELATIVE CURVES





ANNOUNCEMENT

- Use lithium battery safety bags/containers during charging.
- All batteries should be stored, charged and used in accordance with the manufacturer's instructions.
- Let batteries cool down prior to charging.
- Avoid passive or active short-circuiting of the battery.
- 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.
- Never put LiPo batteries or battery packs in pockets, drawers or bags where they might make contact with something made of metal. This can cause a short circuit.
- 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.
- Never store batteries inside a Vehicle.
- Inspect batteries weekly. Look for puffed LiPo battery casing. Monitor temperature.
- ALWAYS tape over the terminals/contacts of each battery (a fire can start if battery terminals come into contact with each other or other metallic items in the area).
- Never charge LiPo batteries near any flammable products, including liquids or gases.