3.7V Lithium Polymer Battery Data Sheet

Model: 454356

Please Find More:

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

File Number: A/FP4356-8586

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 454356
Nominal Voltage	3.7 V
Nominal Capacity	1080 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

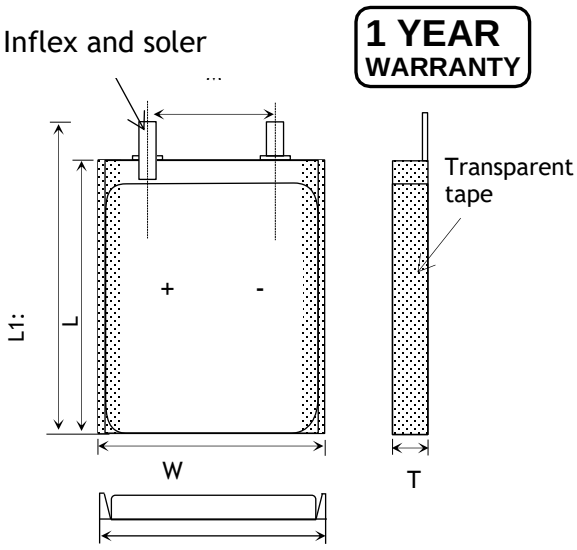
Dimensions	58x 43 x 4 mm(L*W*T)
Weight	18 g
Battery Terminals	WC/ FL *

CERTIFICATION

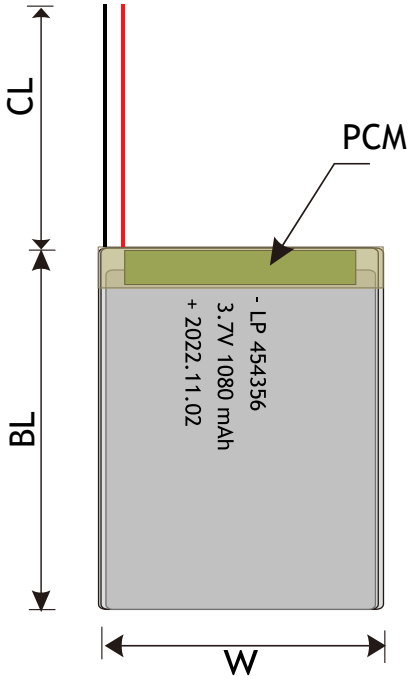
Certification Approval	PLEASE CONSULT SALES

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

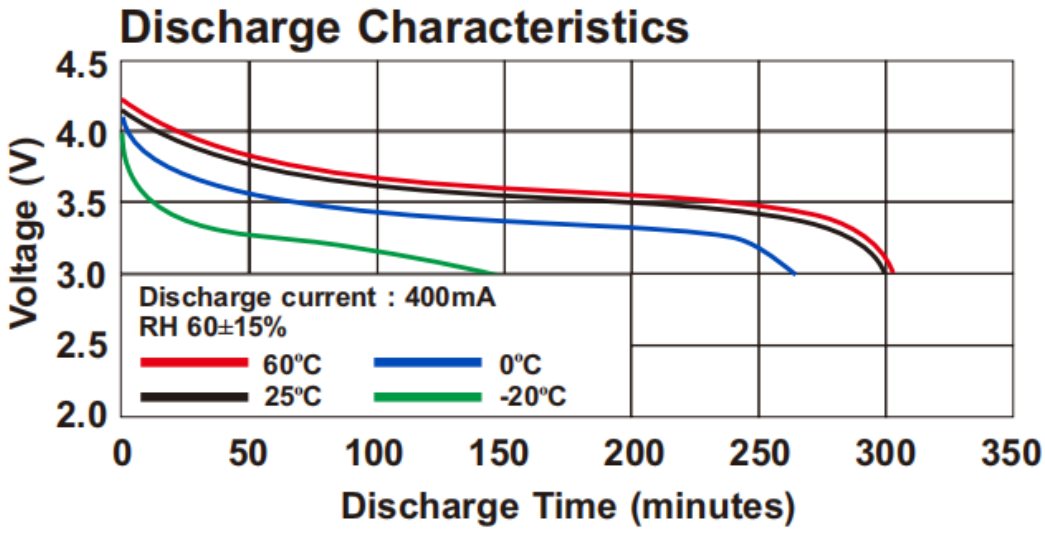
1 YEAR WARRANTY

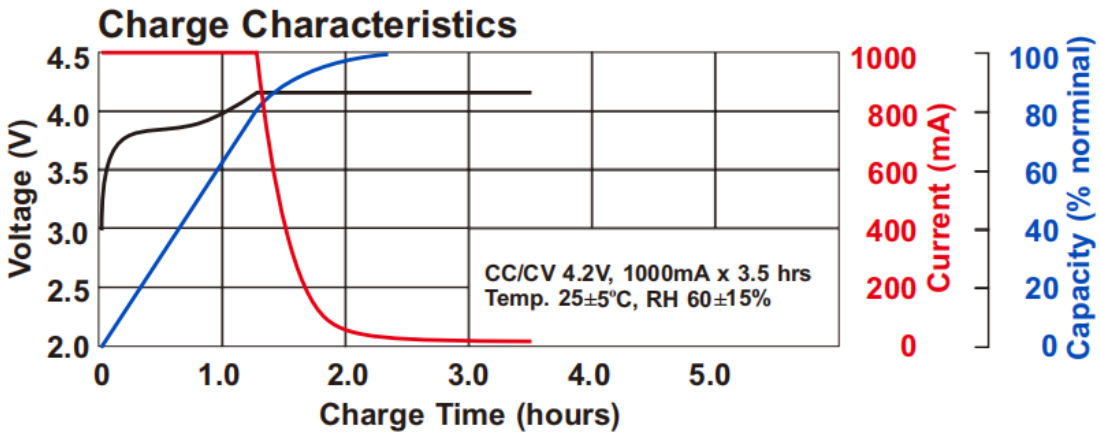


Item	Parameter (mm)
T	4
W	43
M	10
L	56
L_1	58
BL	58 ± 1
CL	100



RELATIVE CURVES





ANNOUNCEMENT

- Never charge Batteries inside of the model.
- Always balance charge batteries using the charger's balance charging option. Otherwise, an unbalanced cell may become over charged. This will reduce the life of the battery, and possibly cause a fire which could result in personal injury and property damage.
- Charging current should be less than maximum charge current specified in the Product Specification.
- ALWAYS store batteries and devices at room temperature.
- Do not immerse the battery in water or expose it to moisture.
- Insure LiPo cell balancing cable is connected.
- Before starting work, remove watches, metal rings, and other metal jewelry when working with or near large batteries or power supplies. If the metal from your jewelry comes into contact with a terminal, you become part of the circuit. Effects can vary from a small electric shock to burns or even electrocution, depending on the power of the battery.
- Store behind a fire door and where a fire alarm is situated.
- Store lithium batteries in a dedicated, vented fire-rated cabinet. Keep combustible materials clear of the cabinet. Label cabinet as containing lithium batteries.
- Immediately disconnect the batteries if, during operation or charging, they emit an unusual smell, develop heat, change shape/geometry, or behave abnormally.
- Reacting and leaking batteries are considered hazardous waste. Please consult Emergency Procedures below.